



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

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No. 14] NEW DELHI SATURDAY, APRIL 7, 1990 (CHAITRA 17, 1912)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंट्स और डिजाइन्स से सम्बन्धित अधिप्रबन्ध और नोटिस  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 7th April 1990

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Patent Office Branch,  
Unit No. 401 to 405, 3rd Floor,  
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New Delhi-110 005

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Telegraphic address "PATENTOFIC".

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Madras-600 002

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Amindivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),  
"NIZAM PALACE", 2nd M.S.O. Building,  
5th, 6th and 7th Floor,  
234/4, Acharya Jagadish Bose Road,  
Calcutta-700 020

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

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पेटैंट कार्यालय  
एकस्व तथा अभिकल्प  
कलकत्ता, दिनांक 7 अप्रैल 1990

पेटैंट कार्यालय के कार्यालयों के पदे एवं क्षेत्राधिकार  
पेटैंट कार्यालय का प्रधान कार्यालय कलकत्ता मे- अवैस्थित है  
तथा बम्बई, दिल्ली एवं गढ़वाल में इसके शास्त्र कार्यालय हैं,  
जिनके प्रादर्शिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में  
प्रदर्शित हैं :—

पेटैंट कार्यालय शास्त्र,  
टोडी इस्टेट,  
तीसरा तल, नोअर परलेल (पश्चिम),  
बम्बई-400 013.

गुजरात, झाराघर तथा मध्य प्रदेश राज्य क्षेत्र  
एवं संघ शासित क्षेत्र गोआ, वमन तथा दिव एवं  
दावरा और नगर हवेली ।

तार पता—“पेटैंटफिस” ।

पेटैंट कार्यालय शास्त्र,  
एकक भ. 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश  
राज्य क्षेत्रों एवं संघ शासित क्षेत्र  
चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटैंटफिस” ।

पेटैंट कार्यालय शास्त्र,  
61, वालाजाह रोड,  
मद्रास-600 002.

आंध्र प्रदेश, कर्नाटक, केरल, तामिलनाडु राज्य क्षेत्र  
एवं गंग शासित क्षेत्र गांडिजरी,  
लकड़वाली, मिनिकाग तथा  
प्रमिनिवीव द्वीप ।

तार पता—“पेटैंटफिस” ।

पेटैंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, किंतीय बहुतलीय कार्यालय भवन,  
5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता—“पेटैंटस” ।

पेटैंट अधिनियम, 1970 या पेटैंट नियम, 1972 मे-  
अपेक्षित सभी आवेदन पत्र, सचनाएं, विवरण या अन्य प्रलेख  
पेटैंट कार्यालय के केवल उपयोग कार्यालय मे- ही प्राप्त किए  
जायेंगे ।

शुल्क :—शुल्कों की अद्यायी या तो नकद की जागेरी अथवा  
उपयोग कार्यालय में नियंत्रक को भूगतान योग्य भगादेश अथवा  
डाक आदेश या जहां उपयोग कार्यालय अवैस्थित है; उस स्थान  
के अनसंचित बैंक से नियंत्रक को भूगतान योग्य बैंक के ड्राफ्ट  
अथवा चेक द्वारा की जा सकती है ।

APPLICATION FOR PATENTS FILED IN THE HEAD  
OFFICE  
234/4, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-20

The dates shown in the crescent brackets are the dates  
claimed under Section 135, of the Patents Act, 1970

The 23rd February 1990

169/Cal/90. Veb Chemiekombinat Bitterfeld. Dispersion dye-  
stuff compounds for the dyeing and printing of  
polyester materials II.

170/Cal/90. Mezhotraslevoi Nauchno-Tekhnichesky Kom-  
plex "Mikrokhirurgia Glaza", Ussr. Device for  
surgical treatment of ametropia.

171/Cal/90. Lanxide Technology Company, Lp. Method  
of producing a self-supporting ceramic structure.  
[Divisional dated 4th August, 1987.]

172/Cal/90. MIU Automation. Improved encryption print-  
ed circuit board.

The 26th February 1990

173/Cal/90. Pyramid Power Systems Limited. Apparatus  
for providing an electrical power supply for a  
facsimile machine.

(Convention dated 24th February, 1989; No.  
8904325.1 and 27th October, 1989; No. 8924217.6;  
Both are United Kingdom).

174/Cal/90. Veb Chemiekombinat Bitterfeld. Dispersion  
dyestuff compounds for the dyeing and printing  
of polyester materials I.

175/Cal/90. Ghimas S.p.A. Sterilisation device and method.

176/Cal/90. Westinghouse Electric Corporation. Improve-  
ments in or relating to adjustable circuit breaker  
thermal trip unit.

The 27th February 1990

177/Cal/90. Samir Das Gupta. Improvements in or relating  
to electronic registers for dispensing fluids.

178/Cal/90. Himont Incorporated. Alpha-Olefin Polymers  
with syndiotactic structure.

179/Cal/90. Georg Fischer Aktiengesellschaft. Treatment  
vessel for treating molten metal alloys.  
[Divisional dated 3rd December, 1986]

180/Cal/90. Nissel Ash Machine Co. Ltd. Apparatus for  
converting thermoplastic blanks into shaped  
articles.

181/Cal/90. RCA Licensing Corporation, "A Switch-mode power supply with burst mode standby operation".

(Convention dated 7th March, 1989; No. 8905172.6 and 7th March, 1989; No. 8905173.4; Both are U.K.).

The 28th February 1990

182/Cal/90. O & K Orenstein & Koppel Ag, "Rotating mechanism for diggers or similar heavy machines".

183/Cal/90. Osoboe Konstruktorskoe Buro "Ritm" Pri Taganrogskom Radiotekhnicheskem Institute Imeni V. D. Kalmykova Ussr, "Electric pulse generator for biological objects stimulation".

184/Cal/90. Richter Gedeon Vegyeszeti Gyar R.T, "Novel steroid derivatives, pharmaceutical compositions containing them and process for preparing same".

185/Cal/90. Richter Gedeon Vegyeszeti Gyar R.T, "Novel steroid diols, pharmaceutical compositions containing them and process for preparing same".

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-110005

The 29th January 1990

69/Del/90. Khosla Engineers, "A product feeding device".

70/Del/90. Purolator India Ltd, "A centre support tube".

71/Del/90. Nauchno-Proizvodstvennoe Obiedinenie Po Tekhnologii Mashinostroenia" TSNIITMASH & Syzrantsky Turbostroitelny Zavod, "Mill roller band".

72/Del/90. Avl Gesellschaft Fur Verbrennungskraftmaschinen Und Messtechnik mbh, "An air cooled internal combustion engine".

73/Del/90. Karagandinsky Politekhnichesky Institut, "Portable hydraulic hammer".

74/Del/90. Dnepropetrovsky Metallurgichesky Institut & Nizhnedneprovsky Truboprokatny Zavod Imeni Karl Libknekhta, "Rim of a railway wheel".

75/Del/90. BP Chemicals Ltd, "Process and apparatus for gas phase polymerisation of olefins in a fluidized bed reactor".

The 30th January 1990

76/Del/90. Courtaulds Coatings Ltd., "Coating process and composition".

(Convention date 6th February 1989) (U.K.).

77/Del/90. Olin Corporation, "Process for the production of dinitrotoluene or mononitrobenzene".

78/Del/90. Denny Bros. Printing Ltd., "Label assemblies". (Convention date 6th February 1989 (U.K.).

79/Del/90. Thomson CSF, "Method and device for the compression of information designed for the compatible decoding of a group of television signals with rising order resolution".

80/Del/90. Telemecanique, "Protected switch contactor apparatus".

The 31st January 1990

81/Del/90. The Procter and Gamble Co., "Fastening system and process for making".

82/Del/90. The Procter and Gamble Co., "Improved laundry detergent bars".

83/Del/90. Mascot (India) Tools & Forgings Pvt. Ltd., "Device for smoothing the sharp edges of metallic articles".

84/Del/90. Basf, Lake + Fabrben Aktiengesellschaft, "Process for the continuous coating of wire and use of wire thus produced".

85/Del/90. Motorola Inc., "Special word comparator".

86/Del/90. Norsk Hydro A.S., "Crosslinked halogen containing polymer".

87/Del/90. Council of Scientific & Industrial Research, "An improved process for the preparation of magnesium phosphate cement useful for speedy repair cement concrete structures".

88/Del/90. Council of Scientific & Industrial Research, "An improved process for the preparation of aryl N-alkyl carbamate esters".

89/Del/90. Council of Scientific & Industrial Research, "An improved process for the beneficiation of iron ore fines and alumina bearing ores/minerals".

[Divisional date 28th December 1987.]

The 2nd February 1990

90/Del/90. Alcan International Ltd., "Process for coating a packaging film with a transparent barrier coating".

(Convention date 2nd February 1989) (Canada).

91/Del/90. Alcan International Ltd., "Colour change devices incorporating thin anodic films".

(Convention date 2nd February 1989) (Canada).

92/Del/90. Alcan International Ltd., "Bilayer oxide film and process for producing same".

(Convention date 2nd February 1989) (Canada).

93/Del/90. Motorola Inc., "Frequency control apparatus and method for a digital radio receiver".

94/Del/90. Motorola Inc., "Method and apparatus for determining battery type and modifying operating characteristics".

95/Del/90. Alexander I Kalina, "Method and apparatus for converting heat from geothermal fluid to electric power".

The 5th February 1990

96/Del/90. Shriram Institute for Industrial Research, "A process for the preparation of Bis-2-ethyl hexyl phosphate".

97/Del/90. Shriram Institute for Industrial Research, "A process for the preparation of tetra-2-ethyl hexyl titanate".

98/Del/90. Shriram Institute for Industrial Research, "A process for the preparation of tetra-2-ethyl hexyl titanate".

99/Del/90. Shriram Institute for Industrial Research, "A process for the preparation of isopropyl tri (Bis-2-ethyl hexyl phosphate) titanate".

100/Del/90. Shriram Institute for Industrial Research, "A process for the preparation of isopropyl tri-stearyl titanate".

101/Del/90. The Goodyear Tire & Rubber Co., "Method and system for retreading tires".

102/Del/90. Samsonite Corporation, "Garment bag with wheels and a detachable valet case".

103/Del/90. Allegheny Ludlum Corporation, "Method of domain refinement of oriented silicon steel by using flux-printing".

The 6th February 1990

104/Del/90. Alcan International Ltd., "Method and apparatus for the measurement of the thermal conductivity of gases".

105/Del/90. Bowthorpe Industries Ltd., "Electrical surge arrester/diverter". (Convention date 7th February 1989 & 18th April 1989) (U.K.).

106/Del/90. Laboratorios Del Dr. Esteve, S.A., "Derivatives of pyrimidinyl-piperazinyl-alkyl azoles with anxiolytic and/or tranquilizing activity".

107/Del/90. Challange Industries, "General purpose pilfer-proof tamper-proof seal".

The 7th February 1990

108/Del/90. Bonas Machine Co. Ltd., "Heald rod retention system for use with an electronic jacquard system". (Convention date 9th February 1989) (U.K.).

109/Del/90. Imperial Chemical Industries PLC, "Low energy fuse". (Convention date 22nd February 1989) (U.K.).

110/Del/90. Dorr-Oliver Incorporated, "Apparatus and method for pulp quality control and regulation".

111/Del/90. Donald C.Mclendon, "4 : 3 perf conversion sprocket".

112/Del/90. Imperial Chemical Industries PLC, "Methanol". (Convention date 9th February 1989 & 15th March 1989) (U.K.).

113/Del/90. International Mobile Machines Corporation, "Base station emulator".

The 9th February 1990

114/Del/90. The British Petroleum Co. PLC., "Process for preparing carboxylic acids". (Convention date 23-2-89) (U.K.).

115/Del/90. BP Chemicals Ltd., "Synthesis of hydrocarbyl amines".

116/Del/90. Finex Handels-GmbH., "Textile fabric shielding electro-magnetic radiation, and clothing made thereof".

The 12th February 1990

117/Del/90. Societe D' Etudes De Machines Thermiques S. E. M. T. A metering pump". [Divisional date 10th March, 1987].

118/Del/90. Steel Authority of India Ltd., "An improved water treatment process in industries where lime comes in contact with water."

119/Del/90. Colgate-Palmolive Co., "Antibacterial antiplaque, anticalculus oral composition".  
[Divisional date 30th December, 1987]

120/Del/90. Fuller Co., "Assembly forming a cylindrical cage of spaced apart vanes".

The 13th February 1990

121/Del/90. The Procter & Gamble Co., "Fastening system".

122/Del/90. Council of Scientific & Industrial Research, "A device for measuring vertical gradient of roads and other plane surfaces".

123/Del/90. Council of Scientific & Industrial Research, "An improved smokemeter for measurement of smoke density of exhaust gases of I. C. engines".

124/Del/90. Council of Scientific & Industrial Research, "An improved process for the synthesis of trimethyl borate".

125/Del/90. Council of Scientific & Industrial Research, "An improved process for the preparation of aluminium hydroxide gel powder having antacid properties".

126/Del/90. Westmard Hill Ltd, "Method for the preparation of new antimicrobial phenazine derivatives".  
(Convention date 24-7-89 (Ireland)).

127/Del/90. The Chief Controller Research & Development, Ministry of Defence, "Improving the fatigue crack growth resistance".

128/Del/90. Kabelschlepp Gesellschaft Mit Beschränkter Haftung, "Feeder chain".

129/Del/90. Schonstedt Instrument Co., "Methods and apparatus employing permanent magnets for marking, locating, tracing and identifying hidden objects such as buried fiber optic cables".

130/Del/90. De La Rue Giori S. A., "Currency paper, especially bank note, with a safety design and process for producing it".

The 14th February 1990

131/Del/90. Thumswamy Joseph David, "Portable pump less room coolers".

132/Del/90. Thumswamy Joseph David, "Automobile fault detecting servicing equipment".

133/Del/90. Keshetra Pal Singh, "Heavy duty speed changer system for bicycles and cycle rickshaws".

134/Del/90. Orell Fussli Graphische Betriebs AG., "A method of producing a multiple layer identification card, an apparatus for practicing such method and an identification card".

135/Del/90. Gaz De France, "Method of supplying a resistive element with electrical energy, electrical circuit provided for this purpose and uses of this circuit".

The 14th February 1990

136/Del/90. Ethyl Petroleum Additives Inc., "Middle sestilate fuel having improved storage stability".

137/Del/90. Olin Corporation, "Process for the production of dinitrotoluene using an inorganic salt as a phase separation agent's".

The 15th February 1990

138/Del/90. KKKK A/s, "Acid resistant concrete articles, especially sulphur concrete pipes and a method of manufacturing them".

The 16th February 1990

139//Del/90. The Procter & Gamble Co., "Stabilized bleach containing liquid detergent composition".  
(Convention date 22nd February, 1989) (U.K.).

140/Del/90. Pressindustria S.P.A., "Process for the preparation of addition products from alkali oxides on compounds containing mobile hydrogens".

141/Del/90. Pressindustria S.P.A., "Process for the preparation of high molecular weight products by addition of alkali oxides on compounds containing mobile hydrogens".

142/Del/90. Pressindustria S.P.A., "Process for purifying poly-ether-polyols".

143/Del/90. BP Chemicals Ltd., "Process for preparing a drilling fluid". (Convention date 25th June, 1986) (U.K.) & [Divisional date 16th June, 1987].

144/Del/90. BP Chemicals Ltd., Synthesis of carbonyl compounds".

145/Del/90. John Crane UK Ltd., "Seals". (Convention date 28th February, 1989) (U.K.).

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, 311RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

The 12th February 1990

24/Bom/1990. Raghuraj Singh Hada. Plastic Broom.

30/Bom/1990. Remsons Industries Ltd. Improvements in the brake-assembly of a two-wheel vehicle.

The 13th February 1990

31/Bom/1990. Rajendra Dubey. Fuel and labour free mechanical operations.

32/Bom/1990. Veeresh Bahadur. A glove and board type keying system in lieu of the keyboard.

The 14th February 1990

33/Bom/1990. Rashtriya Chemicals & Fertilizers Ltd. Ammonium polyphosphate fertilizer.

The 15th February 1990

34/Bom/1990. Prashant Manohar Oak. A device to sense upper and lower levels in an ash tank in the vicinity of a boiler and to actuate the slurry discharge pump.

35/Bom/1990. Dr. R. S. Karmarkar. Process of making stabilised bricks from lateritic minerejects.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE, BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 12th February 1990

107/Mas/90. V. P. Nayar. Tilak tapping panel paste for rubber trees under tapping in non-tapping periods.

108/Mas/90. V. P. Nayar. A multi purpose protective and anti corrosive coating, material inviscous form.

109/Mas/90. V. P. Nayar. Leak stop-(Compound).

110/Mas/90. Maschinenfabrik Rieter AG. Method and apparatus for winding preset lengths of yarn in layers on a bobbin.

111/Mas/90. Schlumberger Holdings Limited. Method and apparatus for measuring the resistivity of earth formations.

The 13th February 1990

112/Mas/90. HMT Limited. Indexing mechanism for in-process multidiometer gauge for a CNC cylindrical grinding machine.

113/Mas/90. Battelle Memorial Institute. Non-tin-based, low toxicity anti-fouling agents.

114/Mas/90. Maschinenfabrik Rieter AG. Procedure and device for opening fibre flocks and fibre bales.

115/Mas/90. Massachusetts Institute of Technology. Microchip Laser

116/Mas/90. Bruce Samuel Sedley. Magnetic key operated lock. (February 15, 1989; Great Britain).

The 14th February 1990

117/Mas/90. Vasu Kunjan Jothyshalam Bose. Automatic level cross signaller against the arrival of trains.

118/Mas/90. Narendra Ghorpade. (2) Vankipuram Ramamurthy Rainrathnam & (3) Vijay Ghorpade and (4) Ranganathan Srinivasan. A pressurised air control flow valve for flushing cisterns.

119/Mas/90. Palanisamy Govindasamy. A fumigation channel.

120/Mas/90. Indian Institute of Technology, Direct-indiallers for decadic-pulsing telephone system.

121/Mas/90. Millmore Engineering Private Limited. Novel Rubber Roller Sheller.

122/Mas/90. Aparna Fats and Vanaspatti (P) Ltd. A catalytic process for inter-esterification of triglycerides to produce modified fats.

123/Mas/90. Mennemann Aktiengesellschaft. Method and device for pouring and casting of pb-alloyed free cutting steels.

124/Mas/90. GEC Plessey Telecommunications Limited. Processor Unit Networks. (May 31, 1989; Great Britain).

125/Mas/90. Cabof Corporation. "Tandom Quench".

126/Mas/90. Minnesota Mining and Manufacturing Company. Thin caliper retroflective transfer and method for making same.

The 15th February 1990

127/Mas/90. DSM Resins B. V. Photo-Initiator System. (Divisional to Patent No. 417/Mas/86).

128/Mas/90. Palitex Project-Company GmbH. Transport and handling system for multi-position textile machines.

129/Mas/90. Palitex Project-Company GmbH. Transport device for packages and/or tubes thereof.

The 16th February 1990

130/Mas/90. Ganz Villamossagi Muvek. Commutator arrangement for electrical machines, particularly for electric traction motor or locomotives, especially in narrow-gauge locomotives.

#### OPPOSITION PROCEEDINGS

The Opposition entered to the grant of a Patent on Application No. 151489 filed by Snam Abrasives Pvt. Ltd., Madras as notified in the Gazette of India, Part III, Section 2 dated the 26th November, 1983 has been ordered to be dismissed and that the Patent shall be sealed, subject to amendments.

#### PATENTS SEALED

165056	165059	165084	165085	165088	165090	165091
165146	165147	165148	165149	165150	165151	165152
165160	165161	165187	165189	165191	165194	165198
165205	165215					

CAL = 14.

DEL = 7

MAS = 2.

BOM = NIL

## RENEWAL FEES PAID

143464	143973	143572	144844	145046	145466	145681
14572	146017	146216	146229	146762	146829	147266
147286	147555	147598	157705	147710	147912	148194
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156343	156488	156492	156626	156723	156733	156775
156818	156878	156928	157030	157059	157060	157087
157088	157336	157450	157508	157576	157619	157621
158048	158103	158186	158212	158463	158493	158611
158617	158670	158729	158741	158749	158759	158780
158985	158994	159028	159222	159231	159264	159431
159432	159485	159486	159525	159535	159798	159802
159804	159805	159860	159870	159878	159879	159914
159928	159947	160058	160132	160136	160203	160282
160360	160369	160423	160448	160463	160492	160500
160520	160535	160536	160541	160574	160612	160790
160805	160877	161281	161408	161570	161693	161969
162075	162122	162147	162158	162167	162173	162174
162202	162218	162295	162296	162412	162486	162518
162776	162812	162866	162977	163039	163123	163135
163205	163212	163221	163228	163290	163302	163512
163516	163713	163720	163736	163810	163832	163843
163845	163916	163988	164008	164021	164025	164026
164029	164052	164082	164092	164143	164147	164152
164153	164156	164158	164190	164200	164239	164240
164244	164245	164246	164283	164285	164292	164296
164333	164384	164392	164393	164515	164555	164556
164625	164629	164678	164905	164906	164907	164908
164909	164915	164984	164988	164994	164995	164996
152807	160244	161224	163287	163683	163977	164185
164997	164998	165010	165020			

## CESSATION OF PATENTS

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## स्वीकृत सम्पूर्ण विनिदेश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुशासन का विराध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अधिक एसी अवधि जो उक्त 4 महीने की अवधि के समाप्त के पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो के भीतर कभी भी नियंत्रक, एकस्व का एसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तावृत्ति उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिदेश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिदेशों की सीमित संख्यक में मूद्रित इतियां, भारत सरकार बुक डिपो, 8 किरण शंकर राय रोड, कलकत्ता में विक्रय होते यथा समय उपलब्ध होंगी। प्रत्येक विनिदेश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक रुप्ति)। मूद्रित विनिदेश की आपूर्ति होते मात्र-तत्व के साथ निम्नलिखित सूची में यथा इदर्शित विनिदेशों की संख्या संलग्न रहनी चाहिए।

रुपांकन (चतुर आरंभ) को फाटा इतिहां र्दि कोइ हों; के साथ विनिदेशों की टंकित अथवा फोटो प्रतियां की आपूर्ति पेटेंट क्लारिय, कलकत्ता, इवारा विहित लिप्यात्तरण प्रभार (उक्त कार्यालय से पत्र व्यवहार इवारा सुनिश्चित करने के उपरांत उसको उदायगी पर की जा सकती है। विनिदेश को पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिदेश के सामने नीचे वर्णित चित्र आरंभ कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यात्तरण प्रभार 4 रु. है) फोटो लिप्यात्तरण प्रभार का परिकलन किया जा सकता है।

Int. Cl. 4 : H 04 N 5/00.

166261

Int. Cl. 4 : C 03 B 35/14.

166262

## A CONTROL SYSTEM FOR CONTROLLING AN IMAGE SCANNER

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

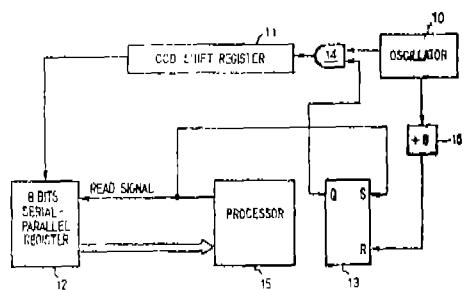
Inventors : (1) SHIGEKI ASADA, (2) HIROSHI YANAGISAWA.

Application No. 859/Mas/85 filed October 28, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 10 Claims

A control system for controlling an image scanner comprising means for applying clock pulses to a shift register in the sensor unit of said image scanner, means for supplying a read signal from a processor to said shift register, synchronisation means for applying said clock pulses in synchronisation with said read signal and additional data flow control means for controlling the flow of data from said sensor to said shift register and said processor.



Compl. specn. 17 pages.

Drgs. 5 sheets

## GLASS SHEET PROCESSING APPARATUS.

Applicant : GLASSTECH INC., A CORPORATION OF OHIO, OF 995 FOURTH STREET, AMPOINT INDUSTRIAL PARK, PERRYSBURG, OHIO 43551, U.S.A

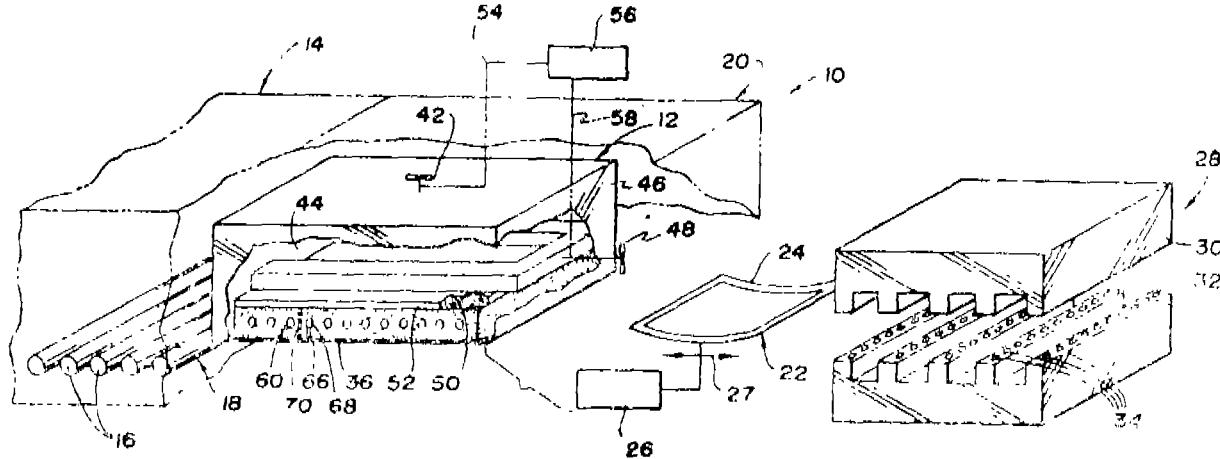
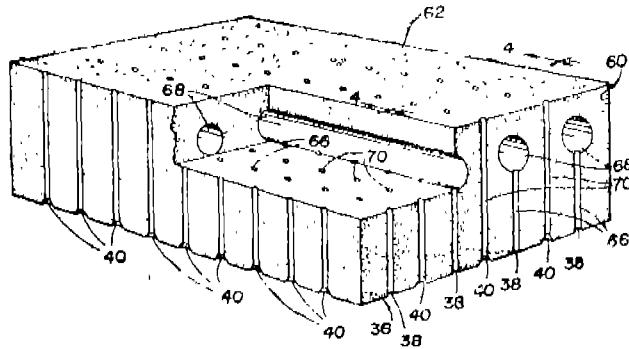
Inventor : LEE E. FACKELMAN.

Application No. 883/Mas/85 filed November 5, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 8 Claims

Glass sheet processing apparatus comprising a heating conveyor for conveying glass sheets for heating; a topside transfer platen having a downwardly facing surface having a first set of holes through which a vacuum is drawn to support a heated glass sheet received from the heating conveyor; the transfer platen surface having a second set of holes through which pressurized gas is supplied to space the glass sheet from the surface; and means for receiving the heated glass sheet from the transfer platen for processing.



Compl. specn. 26 pages.

Drgs. 5 sheets





## 18 Claims

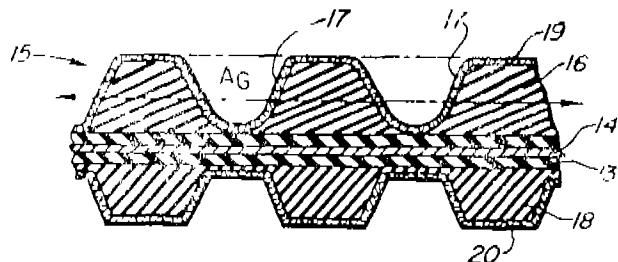
A timing belt with controlled friction back side ribs comprising :

an outer section, an inner toothed section, and an intermediate section provided with a plurality of longitudinally extending tensile cords;

said outer section being provided with transversely spaced ribs having longitudinally spaced transverse grooves defining therebetween a series of cogs having side faces, wherein the coefficient of friction ( $\mu$ )

of the side of said ribs which is equal to  $0.35 \times \frac{A_g}{A_o}$

in which  $A_g$  is the area of the portion of the side of said ribs defined by said grooves and  $A_o$  is the area of the side of the cogs, is kept in the range of 0.15 to 0.90 by preselecting  $A_g$  and  $A_o$ .



Compl. specn. 13 pages

Drg. 1 sheet

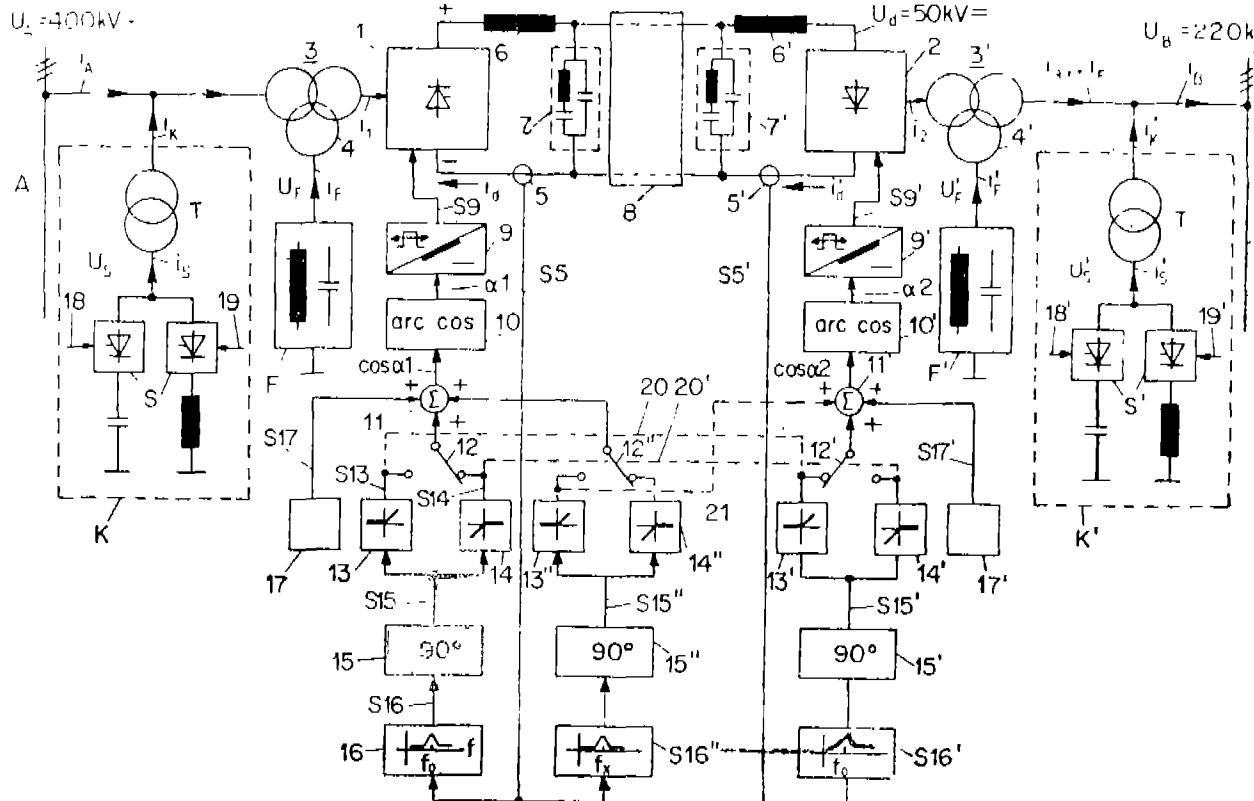
Int. CLASS<sup>4</sup> : H 02J 1/02

166269

COMPENSATING DEVICE FOR COMPENSATING CURRENT OSCILLATIONS.

Applicant : BBC BROWN BOVERI LIMITED, A SWISS COMPANY, OF CH-5401, BADEN, SWITZERLAND.

Inventors : (1) PETER DAHLER, (2) PETER NEIDIHART, (3) KADRY SADEK, (4) HERBERT STEMMER.



Application No. 604/Mas/86 filed July 29, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 4 Claims

Compensating device for compensating current oscillations in a direct-current link circuit between at least one first static converter or link-circuit rectifier (1) and at least one second static converter or link-circuit inverter (2), in particular, for compensating current oscillations in a high-voltage direct-current transmission system comprising :

at least one current detector (5, 5') for detecting a direct-current ( $i_d$ ,  $i_d'$ ) of the direct-current link circuit, a firing angle control device (17, 10, 9) for the link-circuit rectifier and a firing angle control device (17', 10', 9') for the link-circuit inverter, wherein at least one band-pass filter (16, 16', 16'') is provided which is turned to a frequency ( $f_o$ ,  $f_o'$ ) of a current oscillation to be compensated and the input of which is effectively connected to the current detector;

the input of at least one 90° phase-shifting section (16, 15', 15'') is effectively connected with trailing action to an output of the band-pass filter, for inverter operation, at least one first function generator (13, 13', 13'') is effectively connected at its input to an output of the 90° phase-shifting section and at its output to the firing angle control device (17', 10', 9') of the link-circuit inverter (2), which first function generator only allows positive input signals to pass; and

for inverter operation, at least one second function generator (14, 14', 14'') is effectively connected at its input to the output of the 90° phase shifting section and at its output to the firing-angle control device (17, 10, 9) of the link-circuit rectifier (1), which second function generator only shows negative input signal to pass.

Compl. specn. 18 pages

Drg. 2 sheets

Int. CLASS<sup>4</sup> : H 01 R 13/707

166270

AN INTERLOCKING PLUG AND SOCKET SWITCHING DEVICE.

Applicant : BEST & CROMPTON ENGINEERING LTD., 29, RAJAJI SALAI, MADRAS-600 001, TAMIL NADU, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventors : (1) UNNICKATT RAVINDRANATHAN, (2) RANGESAN CHANDRASEKARAN.

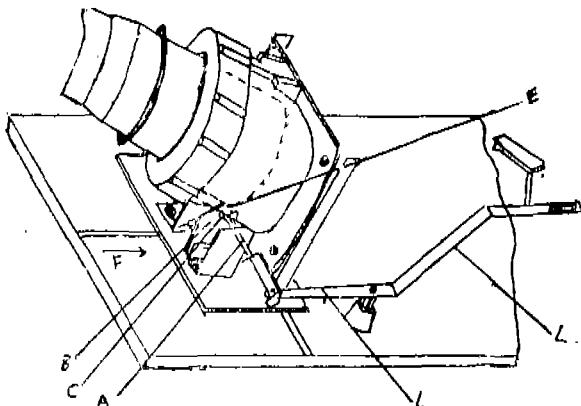
Application No. 917/Mas/86 filed November 28, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 4 Claims

An interlocking plug and socket switching device housing a plug and socket, the socket being electrically connected to a switch, characterised by a pin provided for the switch and a spring-loaded slotted plate provided for the socket, the slot being unaligned with the pin in the normal position of the plate, thus preventing entry of the pin into the slot necessary for closing the switch;

a boss provided for the plug, the boss engaging with the slot and thrusting the plate away during insertion of the plug into the socket, the slot in the thrust-away position of the plate being aligned with the pin to receive it thus permitting the closing of the switch, while preventing the withdrawal of the plug from the socket until the switch is opened to retract the pin from the slot.



Compl. specn. 8 pages

Drg. 1 sheet

Int. CLASS<sup>4</sup> : B 29 D 30/02

166271

A SOLID FLAT-PROOF TYRE ADAPTED TO BE FITTED TO A WHEEL RIM.

Applicant : VALHALLA INVESTMENTS LIMITED, INCORPORATED IN THE BRITISH WEST INDIES, P.O. BOX 1044, WEST WIND BUILDING, GRAND CAYMAN, CAYMAN ISLANDS, BRITISH WEST INDIES.

Inventor : BERNARD JOSEPH OCOIN.

Application No. 708/Mas/85 filed September 10, 1985.

Convention date : September 10, 1984; (No. 462813/6; Canada).

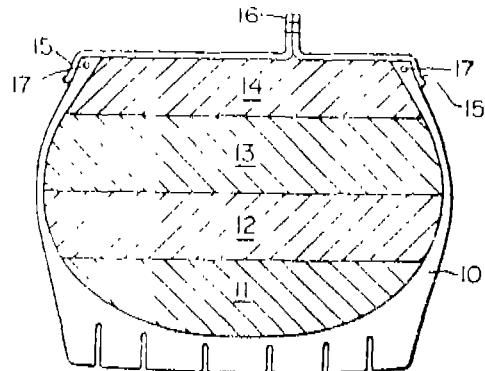
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 2 Claims

A solid flat-proof tyre adapted to be fitted to a wheel rim comprising :

a tyre casing characterised in that said tyre casing has a tyre core within it;

the tyre core comprising a plurality of separate reusable concentric rings of elastomeric material such as herein described which are compressed by and fill the tyre casing during normal operating conditions.



Compl. specn. 11 pages

Drg. 5 sheets

Int. CLASS<sup>4</sup> : G 11 B 27/22

166272

## AN IMPROVED COCKPIT VOICE RECORDER.

Applicant : ELECTRONICS CORPORATION OF INDIA LTD., INDUSTRIAL DEVELOPMENT AREA, CHERLA-PALLI, HYDERABAD-500 762, ANDHRA PRADESH, INDIA, AN INDIAN COMPANY.

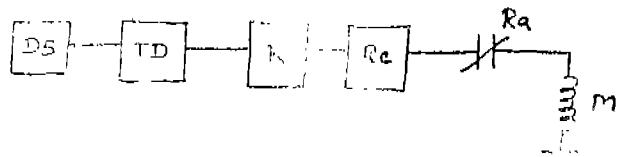
Inventors : (1) MADAN MOHAN NIGAM, (2) KAM-BHAMPATI VENKATA RATNAM.

Application No. 713/Mas/85 filed September 12, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 7 Claims

An improved cockpit voice recorder wherein means are provided for switching off electric power supply of the motor of its tape mechanism when the tape is clinched around the capstan wheel of the mechanism which means comprise an additional recording head disposed adjacent the capstan wheel for recording an audible sensing signal on the tape, a monitor head disposed after the capstan wheel and a switching circuit for the motor of the tape mechanism connected to said monitor head which is adapted in the absence of a recorded sensing signal on the tape, to operate said circuit to cut off power supply to the motor.



Compl. specn. 9 pages

Drg. 1 sheet

Int. CLASS : E 04 B 1/76; F 24 F 1/01 166273

## A METHOD OF CONSTRUCTING A CLEAN ROOM.

Applicant : TAKASAGO THERMAL ENGINEERING CO., LTD., A JAPANESE BODY CORPORATE, OF 2-8, KANDA SURUGADAI 4-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventor : TAKAYOSHI HASHIMOTO.

Application No. 726/Mas/85 filed September 17, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 6 Claims

A method for constructing a clean room which comprises :

forming a ceiling in an existing building to form an enclosed space defined by said ceiling and suitable walls and floor and providing air treating equipment for supplying clean air into said space and withdrawing a volume of air therefrom substantially corresponding to the volume of the clean air supplied thereto;

wherein said ceiling is formed by horizontally suspending ceiling bars for removably supporting ceiling elements so that said bars may form a plurality of rectangular openings of the same predetermined configuration and dimension arranged in a grid-iron elements each having a base area adapted to close each of said openings so that each ceiling element may close each opening;

said ceiling element being selected from the group consisting of a blind panel;

a return air inlet port unit and a fan filter unit comprising a fan and a high efficiency particulate air filter;

wherein an air conditioner for taking the open air and a part of the return air and delivering the conditioned air is provided outside said enclosed space;

wherein there are also provided outside said enclosed space supply air duct means for delivering air conditioned in said air conditioner to each fan filter unit and return air duct means for recirculating air taken through at least one of said return air inlet port units to each fan filter unit and for returning air taken through at least one of said return air inlet port units to said air conditioner; and

wherein the kind, the numbers and the locations of the ceiling elements removably supported on said ceiling bars are selected in accordance with the locations and the degrees of cleanliness of the clean zones to be formed within said enclosed space.

Compl. specn. 20 pages

Drg. 7 sheets

Int. CLASS<sup>4</sup> : A 01 K 13/00 166274

## AN ANIMAL COLLAR FOR CONTROLLING FLEAS AND TICKS ON AN ANIMAL.

Applicant : A. H. ROBINS COMPANY, INCORPORATED, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF VIRGINIA, U.S.A., OF 1405 CUMMINGS DRIVE, RICHMOND, VIRGINIA 23261-6609, U.S.A.

Inventors : (1) EUGENE JAMES CORRIGAN AND (2) ERAL RANDOLPH AKTINSON JR.

Application No. 730/Mas/85 filed September 19, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 6 Claims

An animal collar for controlling fleas and ticks on an animal, comprising :

two plastic matrixes for accommodating at least one insecticide and wherein one matrix may serve as a barrier layer;

said matrixes being coextruded so that one matrix will surround the other matrix on at least three sides.

Compl. specn. 22 pages

Drg. 2 sheets

Int. CLASS<sup>4</sup> : A 61 B 6/00 166275

## APPARATUS FOR ANALYZING AN OBJECT USING CONVERGING INTERFERENCE FRINGES.

Applicant : QUANTUM DIAGNOSTICS LTD., OF 77 ARKAY DRIVE, HAUPPAUGE, NEW YORK, U.S.A., A CORPORATION OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors : (1) CURTIS BIRNBACH, (2) JAY TANNER.

Application No. 738/Mas/85 filed September 23, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 11 Claims

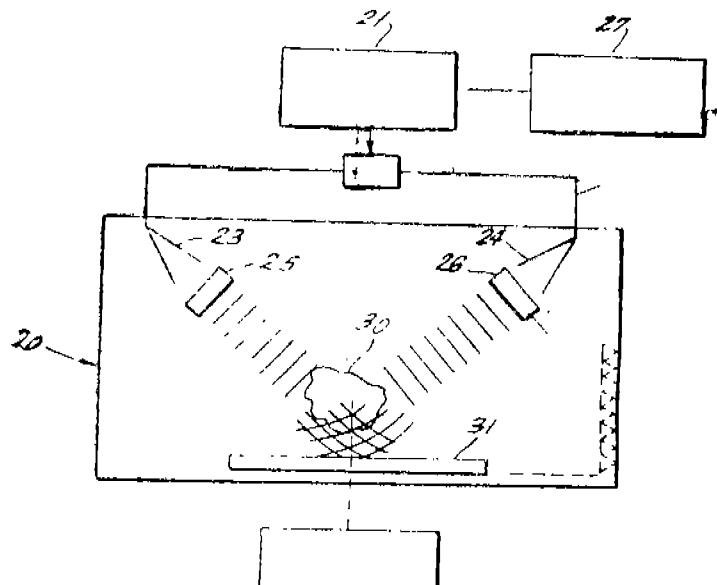
Apparatus for analyzing selected characteristics of a sample, said apparatus comprising :

means for supporting said sample in an object space;

means for producing two coherent interfering beams of radiation of the same frequency which pass through said specimen sample;

said beams being of a frequency to which at least portions of said sample are semitransparent and refractive, whereby the interference fringes produced by said beam are perturbed;

detector means positioned on the side of said sample at which said beams exit from said sample from which fringe information is derived.



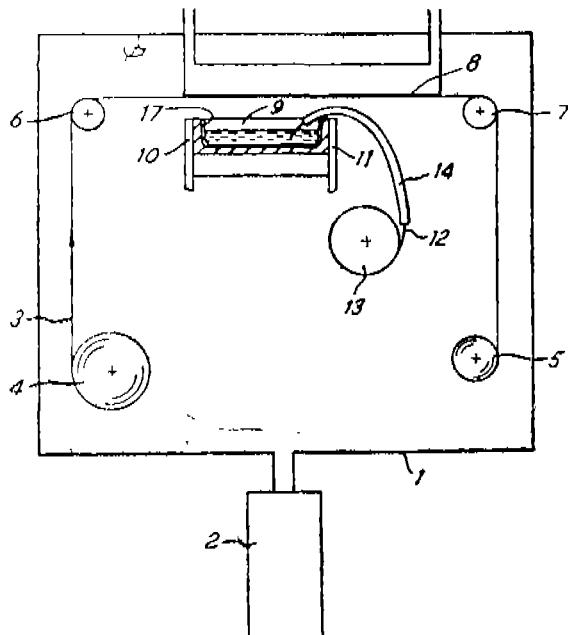
Compl. specn. 21 pages

Drg. 3 sheets



evaporating the dispersant at a temperature insufficient to decompose the titanium hydride to obtain a coating of titanium hydride on the boron nitride receptacle;

melting tin in the coated receptacle and depositing the tin vapour on to the surface.



Complete specification 10 pages

Drg. 1 sheet

Int. CLASS<sup>1</sup> : C 21 B 7/00

166279

#### APPARATUS FOR CONTROLLING THE OPERATION OF BLAST-FURNACE.

Applicant : UNION SIDERURGIQUE DU NORD ET DE L'EST DE LA FRANCE, PAR ABREVIATION "USINOR", OF 44 AVENUE ARISTIDE BRIAND, 54230 NEUVES MAISONS, FRANCE.

Inventor : JEAN-LOUIS LEBONVALLET.

Application No. 806/Mas/85 filed October 14, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims

An apparatus for controlling the operation of a blast furnace comprising :

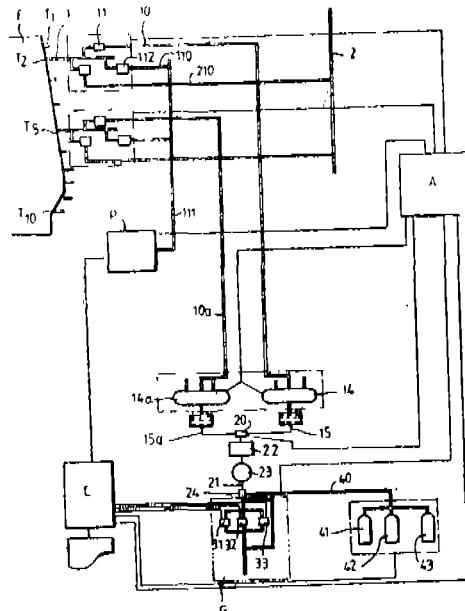
a plurality of sampling conduits (1, 10) with a valve 11 extending from the sampling orifices (T<sub>1</sub>, T<sub>2</sub>,..) of the blast furnace, the sampling conduits are connected to manifolds (14, 14a) which in turn is connected to a gas analysis device (G) through conduits (15, 15a);

a sampling conduit (1) extends from the sampling orifice, a conduit (110) connecting the sampling conduit (1) to a control valve (112);

the said valve (112) is connected by main conduit (111) to a pressure measuring device (P);

a preprogrammed controller (A) for connecting each sampling orifice to the analysis device (G) and pressure measuring device (P) at a predetermined interval;

computer (C) for processing the data thus collected.



Compl. specn. 23 pages

Drg. 6 sheets

Int. CLASS<sup>4</sup> : E 21 C 41/04; 47/02

166280

#### MECHANISED APPARATUS FOR MINING COAL FROM A COAL FACE.

Applicant : CHARBONNAGES DE FRANCE (ESTABLISSEMENT PUBLIC) OF 9, AVENUE PERCIER, 75008 PARIS, FRANCE A FRENCH BODY CORPORATE.

Inventor : HENRI DAVID.

Application No. 814/Mas/85 filed October 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

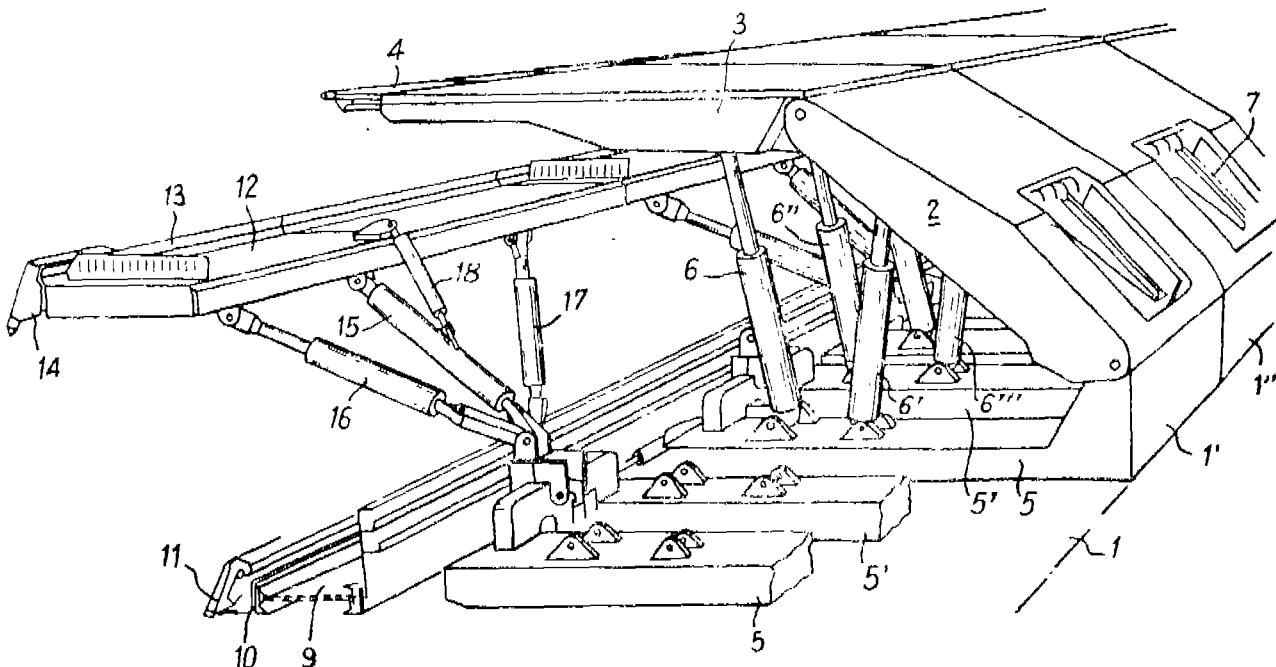
9 Claims

Mechanised apparatus for mining coal from a coal face, having at least one powered support chock, a haulage conveyor, and a first coal-plough associated with said haulage conveyor and a second coal-plough wherein the improvement comprises :

a plate assembly constituting a metal plate located between the base and the canopy of the chock at the front of said apparatus and extending the full length of the face;

said second coal-plough being disposed at the front of said plate, with each of the plates constituting the

metal plate being connected to the corresponding chock base by means of at least one jack.



Compl. specn. 11 pages.

Drgs. 3 sheets

Int. CLASS<sup>1</sup> : C07C 121/26

166281

METHOD OF PRODUCING ADIPONTRILE FROM ACRYLONITRILE.

Applicant : THE STANDARD OIL COMPANY, AN OHIO CORPORATION, HAVING A PLACE OF BUSINESS AT PATENT & LICENSE DIVISION, MIDLAND BUILDING, CLEVELAND, OHIO 44115, UNITED STATES OF AMERICA.

Inventor(s) : DEAN TSUNG-TING TSOU, MARC WILLIAM BLACHMAN & JAMES DAVID BURRINGTON.

7 Claims

A process for the production of adiponitrile from acrylonitrile comprising :

- mixing a first row transition metalsalt of the kind described herein; a metallic reducing agent from Mg, Mn, and Zn; acrylonitrile; and an organic amide solvent to form a first solution;
- heating said first solution for a time sufficient to form an active transition metal complex; and
- adding to said first solution a quench solution comprising an organic proton donor of the kind described herein having  $0 < pK_a < 12$  dissolved in an organic amide solvent, said quench solution containing up to a maximum of 2 moles of methanol per mole of proton donor, whereby said transition metal is liberated from said complex to produce adiponitrile.

The product of the invention is useful as an intermediate in the manufacturing of nylon.

Complete specn. 14 pages

Drg. 1 sheet

Int. CLASS<sup>1</sup> C07F 5/02

166282

A PROCESS FOR THE COLOR STABILIZATION OF ZINC-DIALKYL-DI-THIOPHOSPHATE.

Applicant : AMOCO CORPORATION, A CORPORATION OF THE STATE OF INDIANA U.S.A., OF 200-EAST RANDOLPH DRIVE, CHICAGO, ILLINOIS 60601 UNITED STATES OF AMERICA.

Inventor(s) : GUNYER JOSEPH CASPARI, JOSEPH JAMES VALCHO.

Application for Patent No. 104/Del/86 filed on 4th February, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A process for the color stabilization of zinc-dialkyl-di-thiophosphate comprising :

incorporating in zinc-dialkyl-thiophosphates a color stabilizer compound characterised in that 0.0001 to 0.5 mole of said color stabilizer compound per mole of said metal salt is added and said stabilizer compound is selected from the group consisting of hydrogen sulfide;

an olefin of from 2 to 100 carbon atoms;

a mercaptan of from 4 to 40 carbon atoms;

an epoxide of from 2 to 100 carbon atoms, trialkyl phosphites of the formula  $(RO)_3P$  where R is an alkyl group or a phenyl group of from 1 to 30 carbon atoms, trialkylphosphines of the formula  $R_3P^+$ , where R is an alkyl group of 1 to 20 carbon atoms.

Compl. specn. 14 pages

Drg. 1 sheet

Ind. CLASS : 117 A&amp;B LXIV(5)

166283

Ind. CLASS : 114 D

166284

Int. Cl. : E05B 27/00, 29/00.

## A LOCK.

Applicant : JAIN DYE CASTER PVT. LTD. 138, VEER NAGAR, DELHI-110007, INDIA, AN INDIAN COMPANY.

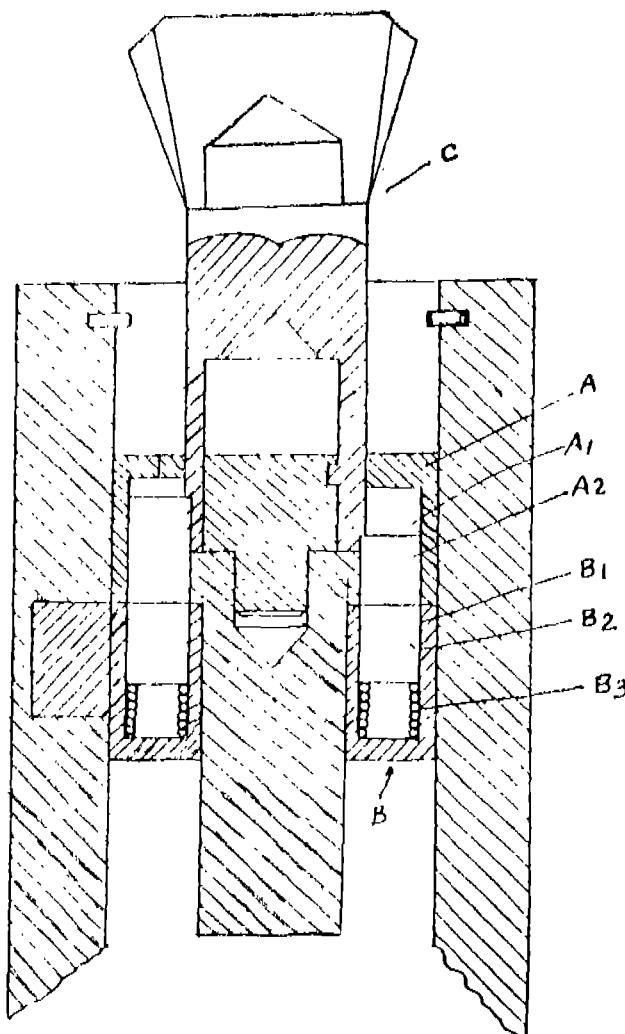
Inventor : ANIL KISHORE JASR.

Application for Patent No. 247/Del/86 filed on 17 March, 1986

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 4 Claims

A lock comprising casing (1) for housing a stationary member (B) having a plurality of openings (B<sub>1</sub>) disposed along a circumferential path, a rotatable member (A) with a shaft (A<sub>3</sub>) and having a space for key rotatably secured to said stationary member (B) a plurality of holes (A<sub>1</sub>) provided in said rotatable member (A) and aligned with respective openings (B<sub>1</sub>) of the stationary member (B) in the locked position of the lock lever A<sub>2</sub> & B<sub>2</sub> provided in the openings in the stationary member and rotatable member such that when key is introduced, said levers allow the rotation of said rotatable member to bring the lock in unlocked position.



Compl. specn. 7 pages

Drg. 1 sheet

Int. Cl. : C14C 1/00, 15/00, C07K 3/00, 15/00.

A PROCESS FOR THE PREPARATION OF COLLAGEN DERIVATIVES FROM REJECTED AND POOR QUALITY HIDES AND SKINS USEFUL FOR INCORPORATION IN COSMETIC FORMULATIONS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860)

Inventors : THIRUVALLUR SAI RANGANATHIAN, MANDAYAM DEVIS IKAMANI RANGANAYAKI, KANGAYAM SUBRAMANIAM UAYARAMAN KOITHARA JOSEPH SCARIA.

Application for Patent No 292/Del '86 filed on 31 March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 14 Claims

A process for the preparation of collagen derivatives to be incorporated as an ingredient in cosmetic formulation from untanned wastes such as herein described which comprises treating the untanned wastes either in raw or limed condition for preconditioning to remove keratinous & fatty materials bleaching the treated material using either oxidising agents or reducing agents, swelling the bleaching product using lyotropic salts, mincing the resultant product using a homogeniser or a mincer, hydrolysing the collagen paste obtained by known methods, filtering and concentrating the resultant hydrolysate.

Complete specification 8 pages.

Ind. CLASS : 99A

166285

Int. Cl. : A47J 27/00.

## A COOKING APPARATUS.

Applicant & Inventor : PRABHAT KUMAR, AN INDIAN CITIZEN OF CS-16 SAFDERJUNG DEVELOPMENT AREA, NEW DELHI-110016, INDIA.

Application for Patent No. 314/Del/86 filed on 8th April, 1986.

Complete specification 1st on 6th July, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 5 Claims

A Cooking Apparatus comprising :

a bodyshell (1) formed in two parts, vessel and lid; said bodyshell having heat receiving (2) and non-receiving faces (5);

said heat receiving face (2) being single walled and heat conducting;

said non-heat receiving face being sealed double walled;

within gap between said double wall there being heat-flow resisting vacuum.

Provisional specification : 2 pages

Complete specification : 7 pages

Drg. 1 sheet

Ind. CLASS : 44

166286

Ind. CLASS : 32 F<sub>3</sub>(b)

166287

Int. CL. : H01H 7/00.

## AN AUTOMATIC CLOCK OPERATED MECHANICAL TIMER DEVICE.

Applicant & Inventor : ASHOK KUMAR GUPTA, C/o ASHOKA STEELS, 1113A, CHOTTA BAZAR, SHAHDARA, DELHI-32, NATIONALITY (INDIAN).

Application for Patent No. 442/Del/86 filed on 19th May, 1986.

Complete specification left on 7th October, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

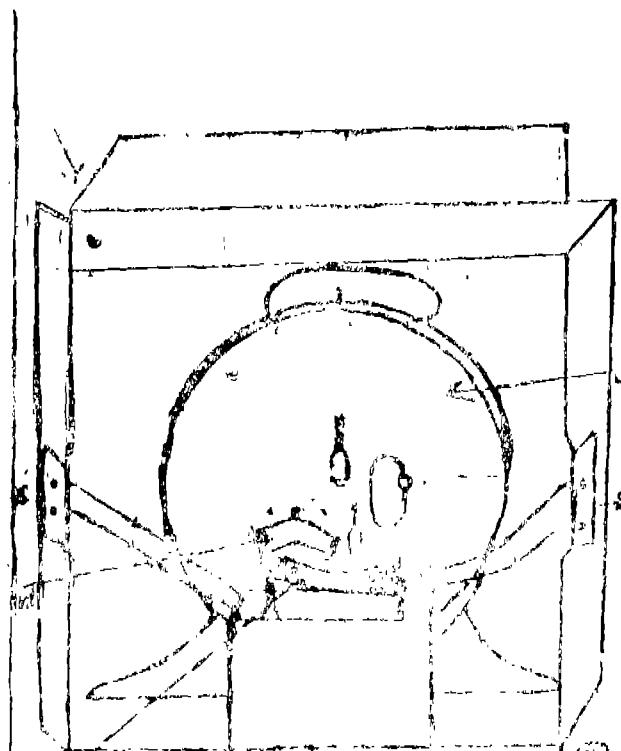
## 4 Claims

An automatic clock operated mechanical timer device comprising :

a cabinet (C) to house the clock (W) in upright position, one vertical side of the said cabinet having electrical input supply point (I) and the other opposite vertical side of the said cabinet having the electrical output (O) supply point (O);

the said input and output supply points (10) being connected through a mechanical switch (S);

the said switch (S) being fixedly placed just at the back side of the clock such that the on, off button of the said switch is just right below the Alarm Key (K) of the said Clock so as to be pressed by it to off position from on position at a predetermined or preset time.



Provisional specification 3 pages.

Compl. specn. 5 pages

Drg. 1 sheet

3—7 GJ/90

Ind. CLASS : 32 F<sub>3</sub>(b)

Int. CL. : C07C 63/14.

## A METHOD FOR PRODUCING PURIFIED TEREPHALIC ACID.

Applicant : AMOCO CORPORATION, A CORPORATION OF THE STATE OF INDIANA, U.S.A., OF 200 EAST RANDOLPH DRIVE, CHICAGO, ILLINOIS 60601, UNITED STATES OF AMERICA.

Inventor : GRAHAM LAWRENCE PACKER & DAVID EUGENE JAMES.

Application for Patent No. 459/Del/86 filed on 26th May, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 7 Claims

A method for producing purified terephthalic acid from relatively impure terephthalic acid, comprising :

reducing in the liquid phase in a hydrogenation reactor the impurities such as 4-carboxybenzaldehyde, in the relatively impure terephthalic acid at a temperature of 300 to 600°F and a pressure of 950 to 1200 psig, in the presence of hydrogen and an insoluble catalyst comprising at least one supported or unsupported Group VIII metal;

maintaining the partial pressure of hydrogen in the hydrogenation reactor in the range of 10 to 200 psi to effect the production of purified terephthalic acid having a predetermined colour level;

withdrawing the liquid phase containing the purified terephthalic acid from the purification reactor; and crystallizing and separating in a known manner from the liquid phase the purified terephthalic acid having the predetermined colour level.

Compl. specn. 20 pages

Ind. CLASS : 32F<sub>2</sub>(b)

166288

Int. CL. : C07D 295/00.

## PROCESS FOR THE PREPARATION OF N-TETRA-THIODIMORPHOLINE.

Applicant : THE GOODYEAR TIRE & RUBBER COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, HAVING OUR PRINCIPAL PLACE OF BUSINESS AND A POST OFFICE ADDRESS AT 1144 EAST MARKET STREET, AKRON, OHIO 44316-0001, UNITED STATES OF AMERICA.

Inventor : JAMES JUNKINCHI TAZUMA.

Application for Patent No. 568/Del/1986 filed on 30th June, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 10 Claims

A process for the preparation of N-tetrathiodimorpholine wherein an admixture of morpholine and sulfur is oxidized with either oxygen or air in the presence of iron salts or iron complexes such as herein described.

The Compound prepared is used as vulcanization accelerators in rubber industry.

Compl. specn. 9 pages.

Ind. CLASS : 66 D9 LXIII(1)

166289

Int. Cl<sup>4</sup> : F21H 1/00, 3/00.**A THERMOPHOTOVOLTAIC DEVICE.**

Applicant : TPV ENERGY SYSTEMS, INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING A PLACE OF BUSINESS AT 303 BEAR HILL ROAD, WALTHAM, MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor : ROBERT ERIC NELSON.

Application for Patent No. 579/Del/87 filed on 8th July, 1987.

Divided from Application No. 686/Del/84 (Refused)

Filed on 29th August, 1984. Ante-dated to 29th August, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

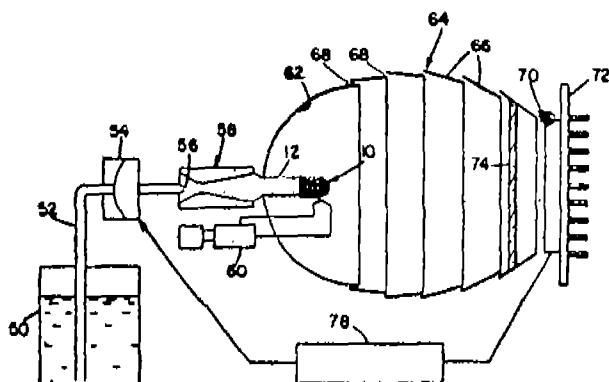
**8 Claims****A thermophotovoltaic device comprising :**

a photocell (76);

a rare earth metal oxide radiator (10) disposed in optically coupled relation to said photocell (76), and heating (52, 56, 60);

means for thermally exciting said radiator (10) to cause it to emit radiation, said radiator (10) when heated to about 1700°C, has a concentrated radiated flux over the 400 to 2500 manometer wavelength range such that at least 50% of said radiated flux is within a band less than 400 manometers in width;

a reflector (62) system for collecting and directing the radiated flux from said radiator to said photocell and a radiation transmitting (74) thermal isolation means interposed between said radiator and said photocell.



Compl. specn. 24 pages

Drg. 3 sheets

Ind. CLASS : 66 D9

166290

Int. Cl<sup>4</sup> : F21H 1/00, 3/00.**A THERMOPHOTOVOLTAIC DEVICE.**

Applicant : TPV ENERGY SYSTEMS, INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING A PLACE OF BUSINESS AT 303 BEAR HILL ROAD, WALTHAM, MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor : ROBERT ERIC NELSON.

Application for Patent No. 580/Del/87 filed on 8th July, 1987.

Divisional to Application No. 686/Del/84 (Refused).

Filed on 29th August, 1984. Ante-dated to 29th August, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

**5 Claims****A thermophotovoltaic device comprising :**

a photovoltaic device;

said photovoltaic device (76) having an electro production threshold;

a fuel supply (50):

a fuel supply (52) conduit connected to said fuel supply and having an outlet port;

a metal oxide fibre (10) mantle supported on said fuel supply conduit adjacent said outlet port;

said photovoltaic device being in optically coupled relation to said mantle;

a fuel control (78) for controlling the flow of fuel to said mantle through said conduit; and

and igniter mechanism (60) for igniting said fuel to cause said mantle (10) to emit radiation that has a wavelength peak below said electron production threshold, said mantle, when heated to about 1700°C, having a concentrated radiated flux output over the 400—2500 manometers wavelength range such that at least 50% of said radiated flux is within a band less than 400 manometers in width.

Compl. specn. 24 pages

Drg. 3 sheets

Int. Cl<sup>4</sup> : D 01 D 5/092

166291

**A METHOD FOR PRODUCING A FLAT POLYMERIC YARN.**

Applicant : NORDDEUTSCHE FASERWERKE GMBH, OF 2350 NEUMUNSTER, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventors : (1) HUBERT DAMHORST, (2) HARLHEINZ ERREN, (3) HANS JOACHIM PETERSEN.

Application No. 693/Mas/85 filed September 5, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

**23 Claims**

A method for producing a flat polymeric yarn of polyamide or polyester, in particular polyethylene terephthalate, comprising :

the continuous steps of melt spinning a polymer to form a plurality of running filaments, and of withdrawing the filaments from the spinning nozzle;

wherein the running filaments are combined so as to form a running bundle of filaments; and

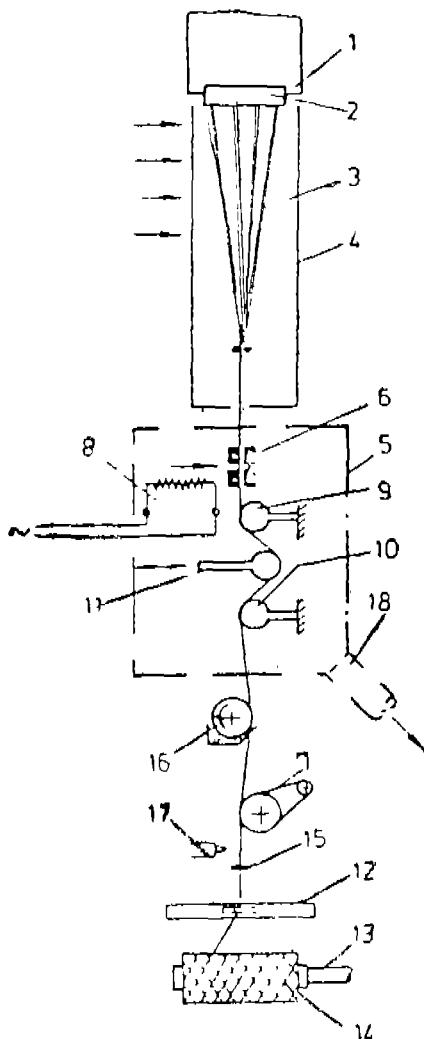
wherein the filaments are drawn, with the drawing force being exerted by fluid friction as well as by looping the bundle about a (stationary) braking surface which is curved in the direction of the running yarn;

wherein the improvement consists of in supplying a metered quantity of fluid onto a surface so as to form a relatively narrow ribbon of fluid;

in guiding the running bundle of filaments into contact with said ribbon of fluid and in alignment therewith and so as to apply a controlled quantity of the fluid to the bundle of filaments which is at least 20% of the weight of the running bundle, and so that the ability of the bundle of filaments to internally absorb the applied fluid is exceeded and the bundle of filaments is soaked with the fluid and the external surface of the bundle of filaments is surrounded by a fluid coating;

and further in guiding the fluid coated bundle in a vertical downward direction over a plurality of adjacent braking surfaces and such that the running bundle is deflected at an angle of less than 70° from the vertical as it moves between the braking surfaces; and

in withdrawing the running bundle from the braking surfaces by contacting the bundle with the withdrawing means (godets) at a linear speed of at least 3,500 m/min, and so as to draw the bundle of filaments, while a fluid containing a spin finish is applied to the bundle of filaments downstream of the last braking surface.



compl. specn. 23 pages

Drg. 1 sheet

Int. CLASS<sup>1</sup> : C 07 F 3/02; 3/06

166292

## A METHOD OF MAKING A BETA-DIKETONATE CHEMICAL COMPLEX OF MAGNESIUM OR ZINC.

Applicant : CORNING GLASS WORKS, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A., OF CORNING, NEW YORK, N.Y. 14831, U.S.A.

Inventors : (1) ROBERT CLINTON FAY, (2) DAVID ALLEN THOMPSON.

Application No. 760/Mas/85 filed September 27, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 2 Claims

A method of making a beta-diketonate chemical complex of the formula :

$M(hfa)_2 \cdot 1, 2\text{-DME}$  wherein M is Mg or Zn, hfa is 1, 1, 15, 5, 5-hexafluoro-2, 4-pentanedionate, and 1, 2-DME is the neutral 1, 2-dimethoxyethane ligand, which comprises the steps of :

mixing beta-diketonate hydrate  $M(hfa)_2 \cdot H_2O$  with liquid 1, 2-DME;

heating the resulting mixture at a temperature within the range of 82—200°C and for a time within the range of 1-48 hours at least sufficient to replace at least some of the water of hydration in the beta-diketonate hydrate with 1, 2-DME; and

recovering the  $M(hfa)_2 \cdot 1, 2\text{-DME}$  product from the resulting mixture by evaporation of the excess 1, 2-DME.

Compl. specn. 14 pages

Drg. 4 sheets

Int. Cl.<sup>4</sup> B 32 B 5/16; 25/02

166293

## HIGH-BRIGHTNESS PAVEMENT MARKING SHEET MATERIAL.

Applicant : SEIBU POLYMER KASEI KABUSHIKI KAISHA, A JAPANESE JOINT-STOCK COMPANY, LOCATED AT 5-26, 2-CHOME, KAMI-IKEBUKURO, TOSHI-KU, TOKYO, JAPAN.

Inventor : YUJI ISHIHARA.

Application No. 819/Mas/85 filed October 16, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

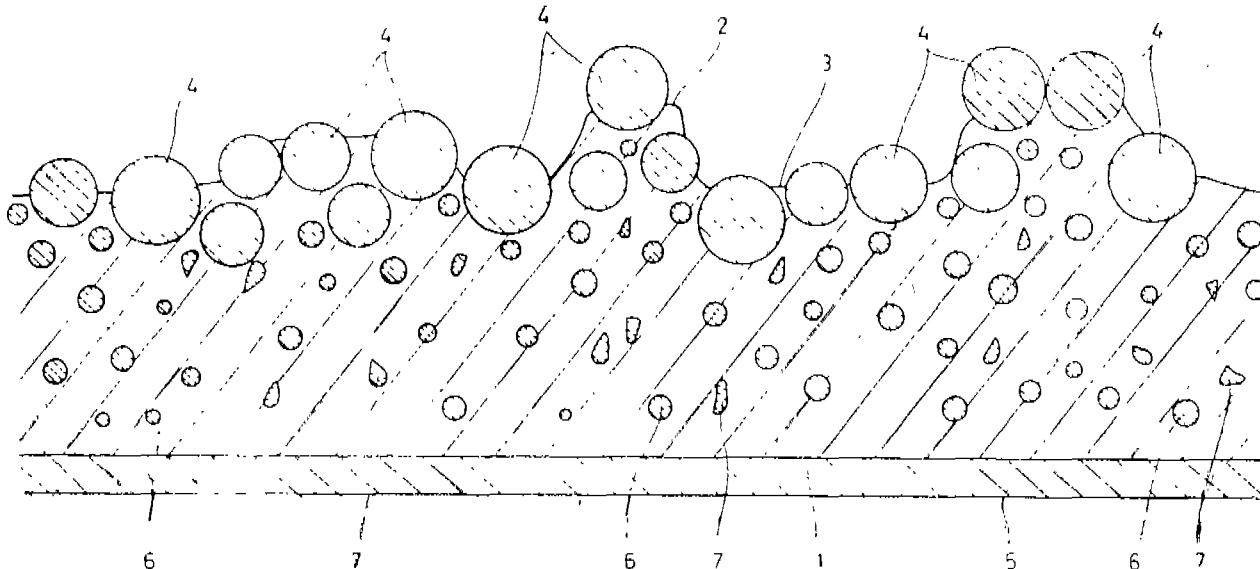
## 2 Claims

A high-brightness pavement marking sheet material comprising :

a base sheet made of rubber, synthetic resin or the like and formed on the surface thereof with a continuous pattern of a multiplicity of protuberances and depressions, and

glass microspheres having an average diameter of 50  $\mu\text{m}$  to 500  $\mu\text{m}$  and a refractive index of 1.5 to 2.3 embed-

ded in these protuberances and depressions in such a manner that a depth of embedding of these glass microspheres in the base sheet from the surface is randomly different one from another and a majority of the glass microspheres in these protuberances and depressions are partially exposed from the surface of the base sheet.



(Complete specn. 15 pages)

Drgs. 2 sheets)

Int. Cl. 4: D 01 H 9/10

166294

AN APPARATUS FOR SUPPLYING BOBBINS SELECTIVELY TO A TENDER OR TO TENDERS ON OPPOSITE SIDES OF A TEXTILE MACHINE.

Applicant: MASCHINENFABRIK RIETER AG A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF CH-8406 WINTERTHUR SWITZERLAND.

Inventor: ANDRE LATTION.

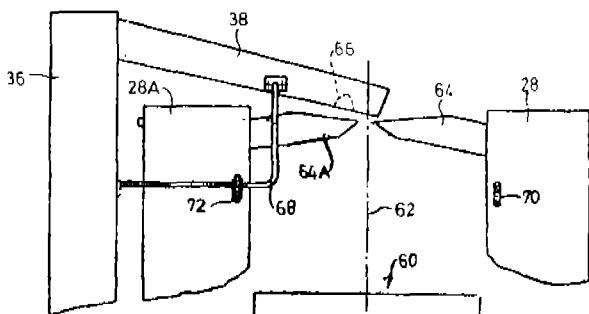
Application No. 868/Mas/85 filed October 30, 1985.

Convention date to 3rd January 1985 Great Britain No. 8500120.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 8 Claims

An apparatus for supplying bobbins selectively to a tender or to tenders on opposite sides of a textile machine, comprising means for delivering bobbins sequentially to a tender and means operable to selected one of a plurality of delivery locations and/or delivery directions for said sequential delivery.



(Complete specn. 14 pages)

Drgs. 2 sheets)

Int. Cl. 4: C 14 C 9/02

166295

A PROCESS FOR THE PRODUCTION OF WATERPROOF LEATHER OR SKINS.

Applicant: HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF HENKELSTRASSE 67, 4000 DUSSELDORF, FEDERAL REPUBLIC OF GERMANY.

Inventors: (1) DR. HANS-HERBERT FRIESE; (2) DR. UWE PLOOG; (3) WOLFGANS.

Application No. 872/Mas/85 filed October 31, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 6 Claims

A process for the production of waterproof leathers or skins, wherein after retanning, the leathers or skins are treated in an aqueous bath with 5 to 20% by weight based on pared weight of leathers or skins of a fat liquorizing agent mixture containing 10 to 60% by weight of at least one sulfosuccinic acid monester salt based on the total weight of the said fat-liquorizing agent mixture, with a  $\text{C}_{12-24}$  fatty residue and hydro-phobicizing and/or impregnating fat liquorizing agents, acidifying the treated leather with formic acid and subsequently fixing with chromium and/or aluminium salt in a known manner.

(Complete specn. 17 pages)

No Drg. sheet)

Int. Cl. 4 B 08 B 13/00

166296

SCRAPER FOR REMOVING GROWTHS SUCH AS ANEMONES, MUSSELS, SEA-WEEDS, ALGAE AND CALCAREOUS GROWTHS FROM FLAT OR ARCHED SURFACES.

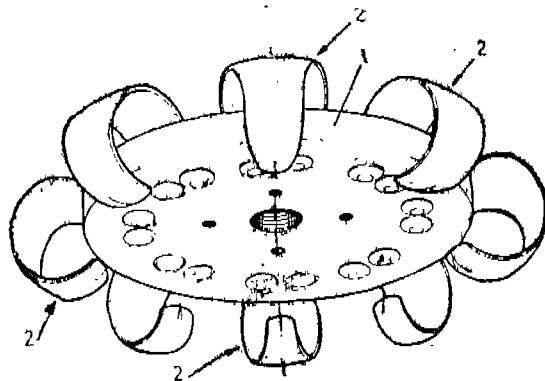
Applicant & Inventor : VAN ROMPAY BOUD, OF HEN-SERGELEI 17, 2130, BRASSCHAAT, BELGIUM, OF BELGIAN NATIONALITY.

Application No. 876/Mas/85 filed November 1, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 20 Claims

Scraper for removing growths such as anemones, mussels, sea-weeds, algae and calcareous growths from flat or arched surfaces, said scraper comprising a motor-driven disk (1) having a number of radial knives (2) distributed along its circumference, characterised in that the knives are bent or deflected along at least two planes, the first of said two planes being the lengthwise symmetrical plane in which the knife extends, and the other plane lying at right angle to said first plane and also being in parallel relationship with the geometrical axis of the said disk (1).



(Complete specn. 10 pages)

Drgs. 4 sheets)

having at said one end a pressure nose with a pressure edge which enters into the gripping aperture when the wrench element is swung-in, wherein the or each wrench element is provided on its side which swings over said pressure nose, with a jaw which can be placed over the connecting element to be gripped.

(Complete specn. 10 pages)

Drgs. 1 sheet)

Int. Cl. 1 : F 16 D 65/14.

166298

AN ADJUSTABLE BRAKE ACTUATOR, ESPECIALLY FOR VEHICLE DRUM BRAKES.

Applicant : LUGAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventors : (1) HARALD COCKEL, (2) REITER THE-WALDT, (3) WILFRIED GIERING.

Application No. 895/Mas/85 filed November 7, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 6 Claims

An adjustable brake actuator, especially for vehicle drum comprising :

- a casing (10) which has a bore (14) and a coupling face (48) concentric with said bore;
- at least one tappet (30) of variable length guided to slide in the bore (14) and comprising two threaded members (34, 36) which are interconnected by a self-locking screw thread pair (38);
- a coupling member (50) associated with the coupling face (48) of the casing (10) and connected to one of the two threaded members (34) by a non-self-locking screw thread pair (52);
- a support member (60) fixed to the casing (10) and having an aperture (68) through which extends at least the other one of the two threaded members (36);
- a coupling spring (70) inserted between the support member (60) and the coupling member (50) and tending to keep the latter in engagement with the coupling face (48), and
- a sealing sleeve (72) disposed outside of the support member (60) with respect to the casing (10) and providing an external seal for the screw thread pairs (38, 52) and the coupling member (50);

characterized in that

- the sealing sleeve (72) comprises a stiff retainer ring (74) of L-shaped cross-section having a substantially plane radially outwardly projecting flange;
- the collar is secured with press fit in an enlargement (54) of the bore (14) of the housing (10);
- the flange holds clamped between itself and an end surface (78) of the casing (10) annular elastic rim (76) of the sealing sleeve (72); and

Int. Cl. 1 : B 25 B 13/10; 13/58

166297

## A UNIVERSAL WRENCH.

Applicant & Inventor : MAX PASBRIG, OF VIA ECO 53, CH 6644 ORSELINA, SWITZERLAND, A CITIZEN OF SWITZERLAND.

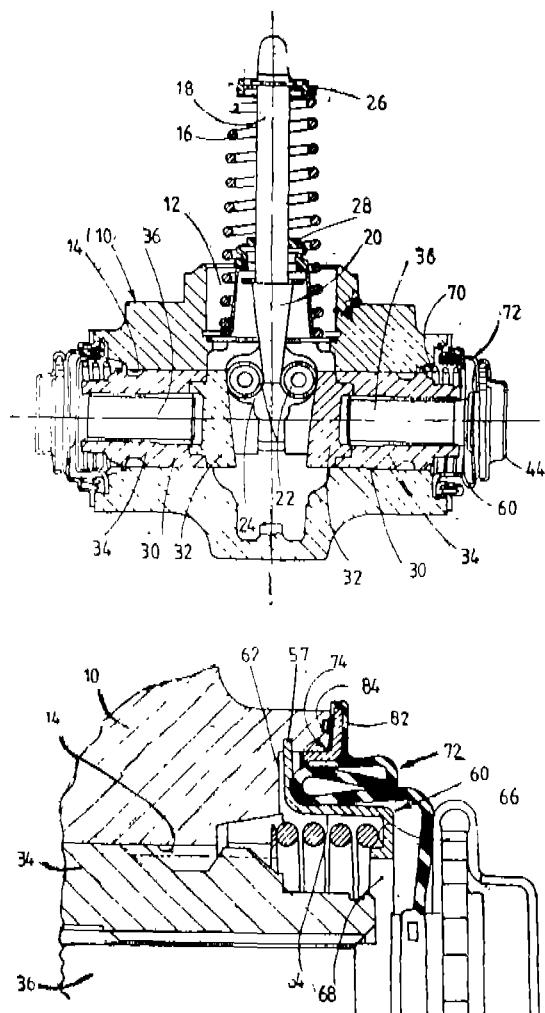
Application No. 884/Mas/85 filed November 5, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 9 Claims

A universal wrench for tightening and/or loosening bolt heads, nuts, pipe nipples and similar connecting elements, comprising; at least one wrench element adapted to pivot at one end of a handle, in the plane thereof, the or each wrench element having a polygonal gripping aperture for accommodating the connecting element to be gripped and the handle

— theenlargement (54) of the bore (14) comprises axially within the collar a shoulder behind which the support member (60) is detachably held independently of the collar.



Compl. specn. 10 pages.

Drgs. 2 sheets

Int. Cl. : C 23 C 16/50.

166299

**A DEVICE FOR CONTROLLING THERMOCHEMICAL TREATMENT OF WORKPIECES IN GLOW DISCHARGE IN A TREATING GAS MEDIUM.**

Applicant : V M E I "LENIN", OF QUARTAL DARVENTITZA, SOFTIA, BULGARIA, A SCIENTIFIC INSTITUTE ORGANIZED UNDER THE LAWS OF BULGARIA.

Inventors : (1) SVETOSLAV ALEXANDROV SAVOV, (2) MINTCHO SAVOV MINTCHEV, (3) PETER TODOROV NITCHEV, (4) GEORGI STEFANOV SHIVAROV.

Application No. 967/Mas/85 filed November 29, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 2 Claims

A device for controlling thermochemical treatment of workpiece in glow discharge in a medium of treating gas comprising :

a source of DC voltage;

said workpieces in the working chamber being connected thermally with a temperature sensor which is connected through a first comprising element to a first regulator;

the gas output of the working chamber being led to the outside atmosphere by a vacuum pump;

said device further comprising a voltage sensor whose output is connected through a series circuit of a frequency-to-voltage converter and a third comprising element with the input of a third regulator;

a source of preset contant value for the arc discharge frequency being connected to the second input of the third comparing element which is characterized by the fact that one terminal of DC voltage source (1) is connected by a current sensor (2) to the corresponding terminal of the electric input of working chamber (3), the other terminal of DC voltage source (1) being connected through smoothing chock (4) to the other terminal of the electric input of working chamber (3), a voltage sensor (5) and an unit for arc discharge interruption (6) being mounted across said electric input;

the second input of the first comapring element (9) being connected with the first output for preset value of the workpiece temperature of a programming unit (10);

the output of the first regulator (11) being connected with the first input of an adder (12) whose output is connected with the first input of a second comparing element (13), the second input of said second comparing element being connected with the output of current sensor (2), and the output of said second comparing element being connected through a second regulator (14) to the control input of DC voltage source (1);

second regulator (14) to the control input of DC voltage source (1);

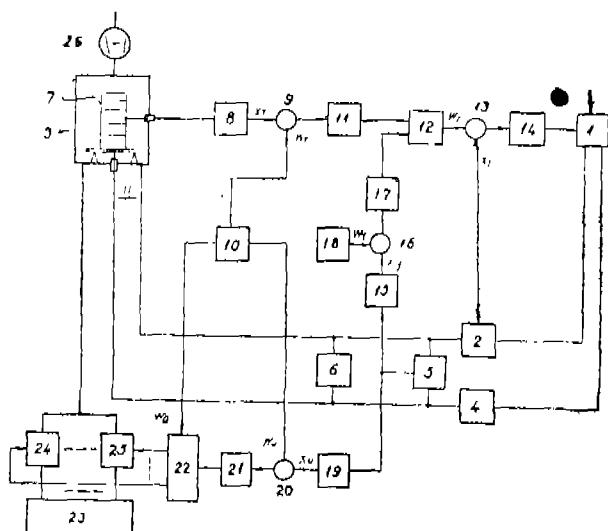
the output of a third regulator (17) being connected with the second input of the adder (12);

the output of the voltage sensor (5) being also connected through an amplitude detector (19) to the first input of a fourth comparing element (20) whose output is connected through a fourth regulator (21) the first input of a switch (22);

the second control input of said switch being connected with the second output for a preset treating gas by programming unit (10) whose third output for presetting the amplitude of the glow discharge voltage is connected with the second input of the fourth comparing element (20);

the outputs of a source of treating gases (23) are connected to the gas inputs of at least two actuators for flow rate regulation (24, 25) whose outputs are connected to the gas input of the working chamber (3);

the control inputs of the actuators for flow rate regulation (24, 25) are connected with the corresponding outputs of the switch (22).



Compl. specn. 23 pages.

Drgs. 2 sheets

CLASS : 87 A [XLII(4)].

166301

Int. Cl. : A 63 B - 21/32.

**AN IMPROVED PHYSICAL EXERCISE DEVICE FOR STRENGTHENING AND DEVELOPING THE MUSCLES OF THE BODY.**

Applicant & Inventor : PESTONJI JAI PADSHAH, AN INDIAN SUBJECT, HAVING HIS ADDRESS AT 16A, ALTAMOUNA ROAD, BOMBAY-400026 MAHARASHTRA STATE, INDIA.

Application No. 27/Bom/1987, filed on 29 January, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

**2 Claims**

An improved physical exercise device for strengthening and developing the muscles of the body, comprising :

a cylinder with a lever rigidly but detachably attached to it by means of screws or similar other means usually employed;

a clamp having two jaws of equal or unequal lengths as desired encircling the cylinder, with or without a friction lining material interposed in between the cylinder and the clamp;

a locking-cum-release mechanism consisting of a hinge as herein described with one end of its lever housing attached rigidly to one of the jaws of the said clamp and the other end extending beyond the other jaw of the clamp;

a pivoting lever pivoted within the lever housing adapted to press against the jaw of the clamp which is not attached to the said lever housings;

a screw type adjustable spacer passing through a threaded aperture in a first bracket rigidly jointed near the free end of the lever housing;

characterised in that another screw type, adjustable spacer having an expanded disc like head passing through a threaded aperture in a second bracket rigidly joined to the lever housing and projecting in the opposite direction to the said first bracket across the width of the lever housing and therefore on the opposite side of the pivot pin;

the arrangement being such that the screw-type adjustable spacer passing through the second bracket is situated as near as possible to the pivot pin of the pivoting lever, so that maximum variation in resistance is achieved by minimum rotation of the screw type adjustable spacer;

the said disc-like head of the screw-type spacer may be provided with calibrated marks to work as a resistance indicator/gauge by indicating the extent to which the tip of the screw type adjustable spacer projects beyond its threaded bracket resulting in a greater or lesser amount of gripping force of the clamp around the cylinder.

Int. Cl. : E 05 C 1/04.

166300

**AN IMPROVED TOWER BOLT.**

Applicants & Inventors : POTHIREDDY GARI LAKSHMINARAYANA REDDY AND POTHIREDDY GARI NATARAJA REDDY, 14/222-1 KAMALANAGAR, ANANTAPUR-515 001, ANDHRA PRADESH, INDIA, BOTH INDIAN NATIONALS.

Application No. 996/Mas/86 filed December 19, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**3 Claims**

An improved tower bolt comprising :

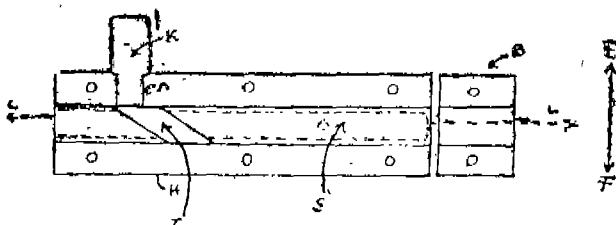
the shaft of which has an operating arm;

the shaft being encased in a housing;

characterised in that the housing is provided with a slot inclined to its longitudinal axis;

the arm being snugly located in the slot;

whereby manual operation of the arm in directions transverse to the said longitudinal axis constrains the arm move along the slot in positive guided relationship thereby extending the said shaft out of or retracing it into the housing.



Compl. specn. 5 pages.

Drg. 1 sheet

Compl. specn. 11 pages.

Drg. 1 sheet

CLASS 32 F 2(b) IX(1) + 189 LXVI.

166302

Int. Cl. : A 61 K - 7/06.

## COMPOSITION SUITABLE FOR TOPICAL APPLICATION TO HUMAN SKIN.

Applicant : HINDUSTAN EVER LIMITED, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventor : WALTER THOMAS GIBSON.

Application No. 166/Bom/1987 filed on 10th March, 1987.  
U. K. convention priority date 14th March, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

## 11 Claims

A composition suitable for topical application to human skin, which comprises :

- (i) from 0.001 to 20% by weight of a minoxidil glucuronide;
- (ii) from 0.1 to 50% by weight of an activity enhancer such as hereinbefore described and
- (iii) from 10 to 99.999% by weight of a cosmetically and/or physiologically acceptable vehicle such as hereinbefore described.

Compl. specn. 28 pages.

Drgs. 2 sheets

CLASS : 97 C [LIX(2)].

166303

Int. Cl. : F 24 H 1/10.

## AN IMPROVED GEYSER.

Applicant & Inventor : YASHWANT SHRIPAD BARVE, 507, NARAYAN PETH, PUNE-411 030, MAHARASHTRA, INDIA.

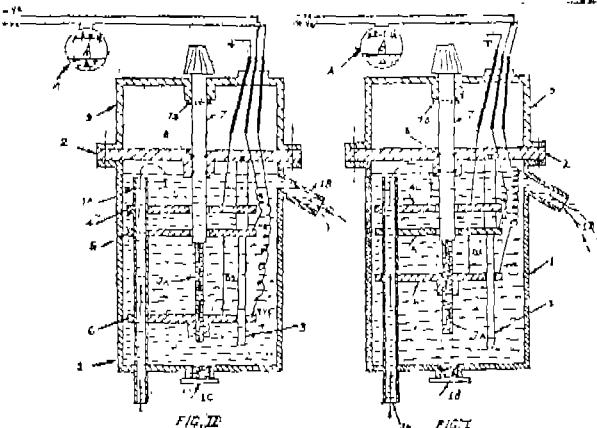
Application No. 73/Bom/1987 filed Mar. 12, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

## 1 Claim

An improved geyser comprises of two non-metallic containers made up of two parts, upper and lower containers, holding in between them a non-metallic partition plate, the lower container having an eccentrically positioned tubular water-inlet extending upwardly, at its bottom end, an outlet positioned oppositely to said inlet at upper end and a drain with drainplug at bottom face, an upper container holding a non-metallic stem tightly, passing through the said partition plate having threaded bottom end and a knob at its extended upper end, the said partition plate held in between upper and lower containers holding the phase, Neutral and Earthing wires on its top face with their extended ends from its bottom face and a guide rod on its bottom face extending downwardly in the said lower container, the said lower container holding three carbon/metallic discs on said tubular inlet and guide rod connected with Earthing, Neutral and Phase terminals respectively, wherein the first and second discs with predetermined gap in between them held rigidly on a guide rod and the third disc having threaded central hole held on said stem on its threads located freely on said tubular inlet and guide rod, characterised in that the clockwise/anti-clockwise rotation of said stem with the help of its knob decreases/increases the distance in between the second and third discs connected

to the neutral and phase terminals of the power supply respectively, wherein the incoming positive current carrying line passes through an Ampere meter before entering the geyser.



Compl. specn. 8 pages.

Drg. 1 sheet

CLASS 32 F 1 (a) IX(1).

166304

Int. Cl. : C 07 C 69/34, 69/40, 69/42, 69/44.

## IMPROVEMENTS IN OR RELATING TO A METHOD OF PREPARING METHYL ESTERS OF DICARBOXYLIC ACIDS.

Applicants : GUJARAT STATE FERTILIZERS COMPANY LIMITED, P. O. FERTILIZERNAGAR-391 750, DIST. VADODARA, INDIA, AN INDIAN COMPANY.

Inventors : (1) DR. ANIL KUMAR VARSHNEY, (2) BHAGIRATH DEVADATT TRIVEDI, (3) VINOD KANTI-LAL PATEL & (4) MAHESH HARIBHAI MEHTA.

Application No. 131/Bom/1987 filed on 14-4-1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

## 5 Claims

An improved process for the preparation of methyl esters of aliphatic dicarboxylic acids which comprises refluxing, dicarboxylic acid, methanol, ethylene dichloride and sulphuric acid followed by working the reaction mixture to obtain the ester characterised by the following sequences of steps (i) the reaction mixture containing excess methanol is subjected to neutralisation using aqueous sodium hydroxide, followed by (ii) distillation of ethylene dichloride-methanol azeotrope which can be recycled to step (i) or subjected to distillation to recover excess methanol thereby to obtain a remaining reaction mixture having an aqueous layer and an organic layer, followed by (iii) separating in a known manner per se the upper aqueous layer containing mostly sodium sulfate from the organic layer and thereafter (iv) subjecting the lower organic layer containing ethylene dichloride and the desired ester to distillation to remove the ethylene dichloride which can be reused and finally (v) subjecting the impure ester thus obtained to a step of vacuum distillation to obtain substantially pure ester.

Compl. specn. 10 pages

Drg. Nil



Inventor : VINODKUMAR RAMNIRANJAN DHANUKA.

Application No. 198/Bom/1987 filed on 29-6-1987.

Complete after provisional left on 13-6-1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

### 13 Claims

A process for the preparation of a solid particulate material suitable for use as a detergent composition or a component thereof, which comprises fluidising a particulate material comprising at least one detergency builder salt in an internal recirculating fluidised bed, and spraying thereon liquid material comprising at least one detergent-active compound and/or at least one precursor thereof.

Prov. specn. 10 pages.

Compl. specn. 12 pages.

Drg. 1 sheet

Drg. Nil

CLASS : 70 C 4 [LVIII(5)].

166308

Int. Cl. : C 25 C - 1/24, 3/36.

AN IMPROVED PROCESS FOR THE PREPARATION OF COPPER-INDIUM ALLOYS FROM AN AQUEOUS BATH ON METALLIC SUBSTRATES.

Applicant & Inventor : CHANDRAKANT DNYNDEV LOKHANDE, LECTURER AND DR. SHIVAJI HARIBA PAWAR, READER, EMPLOYED IN THE DEPARTMENT OF PHYSICS- SHIVAJI UNIVERSITY, KOLHAPUR 416004, MAHARASHTRA, INDIA.

Application No. 199/Bom/87 filed Jun. 29, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

### 3 Claims

An improved process for the preparation of Copper-Indium alloy coatings of variable compositions on metallic substrate by electrolysis where the electrolytic bath comprises 5—10 gm litre of Copper Sulphate, 20—40 gm litre of Indium Sulphate, 50—90 gm litre of Sodium Sulphate and 0.2—0.8 gm litre of urea and the deposition is carried out by superimposition of pulsed potential on D.C. Potentials.

Compl. specn. 5 pages.

Drg. Nil

CLASS : 32 F<sub>9</sub> a [IX(1)] + 34 D [X].

166309

Int. Cl. : C 08 B - 31/08, 31/10, 37/02.

PROCESS FOR THE PREPARATION OF HYDROXYALKYL ETHERS OF POLYSACCHARIDES.

Applicant : AHMEDABAD TEXTILES INDUSTRY'S RESEARCH ASSOCIATION AN INDIAN REGISTERED BODY REGISTERED UNDER SOCIETY'S REGISTRATION ACT XXI OF 1860, OF P.O. POLYTECHNIC, AHMEDABAD-380 015, INDIA.

Inventors : 1. DR. HARISH CHANDRA SRIVASTAVA, 2. DR. SHASHIKANT PURUSHOTTAM PHADNIS, 3. BHARAT SIDDHARTH BHAI PARIKH.

Application No. 207/Bom/87 filed on July 2nd, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

### 11 Claims

A process of preparing hydroxyalkyl ethers of polysaccharides, such as herein described, comprising reacting a polysaccharide with an etherifying agent, such as herein described, the polysaccharide being suspended in water or in a mixture of an organic solvent such as herein described and water, at elevated temperature in the presence of an alkaline catalyst such as herein described, and recovering the product by centrifugation or filtration followed by washing and subsequent drying.

Compl. specn. 10 pages.

Drg. Nil

166310

CLASS : 49 H [XV(1)].

Int. Cl. A 47 j 27/09.

IMPROVEMENTS IN OR RELATING TO PRESSURE REGULATING SYSTEM AND PRESSURE COOKER HAVING THE SAME.

Applicant : HAWKINS COOKERS LTD., F-101, MAKER TOWERS, CUFFE PARADE, BOMBAY-400 005, MAHARASHTRA, INDIA.

Inventor : NARANAMMAL RAM SANKARAN SUBRAMANIAN.

Application No. 231/Bom/1987 filed Aug. 21, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

### 3 Claims

Improvements in or relating to pressure regulating system for use in pressure cookers comprising a vent tube and a hollow holding nut adapted to be secured to a hole in the lid of the pressure cooker and a vent weight adapted to be freely seated by a tapped pin at the top of said vent tube characterized in that :

(i) said hollow holding nut has a planer bottom surface provided with a plurality of holes for the entry of steam, two internal contiguous vertical sections, a top section adapted to be engaged to the lower external surface of vent tube and a lower section provided with a plurality of steam entry holes on the side wall, said lower section being preferably larger in cross-section than the said first upper section;

(ii) said vent tube has three sections namely :

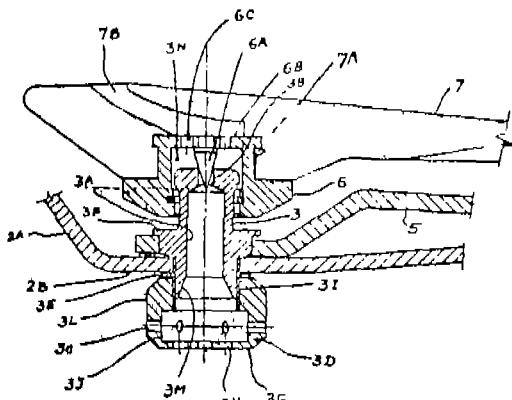
(a) a lowermost conical section tapering towards the top end.

(b) an upper narrow cylindrical section engaging into the tapered pin of the vent weight;

(c) an intermediate cylindrical section of substantially larger diameter than the said upper section connecting the above-two sections (a) and (b).

(iii) said vent weight being mounted on fulcrumed lever which has a pressure exposed to the atmosphere and in flow communication with one or more opening formed at the bases of the vent weight from which said tapered pin extends;

the arrangement being such that when the vent tube is secured to the lid of the pressure cooker with the help of the said holding nut and the vent weight mounted on the said vent tube through said tapered pin, the steam formed in the pressure cooker builds upto a predetermined pressure escapes through the vent weight and flows out as dry steam without any appreciable quantity of condensed water and at steady space.



Compl. specn. 26 pages.

Drg. 3 sheets

Ind. CLASS : 140 A.

166311

Int. Cl.4 : C10M 129/78.

#### AN AUTOMATIC TRANSMISSION OR HYDRAULIC FLUID COMPOSITION.

Applicant : THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO-44092, U.S.A., A CORPORATION OF THE STATE OF OHIO, U.S.A.

Inventor(s) : CRAIG DANIEL TIPTION & KENT BOYCE GROVER.

Application for Patent No. 949/Del/85 filed on 14th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

15 Claims

An automatic transmission or hydraulic fluid composition comprising an oil such as herein described and an additive polymeric composition having a mixture of :

(A) at least one oil-soluble polymer which is a homopolymer of a non-aromatic mono-olefin having at least three carbon atoms, or a copolymer of said non-olefin aromatic mono-olefin with an aromatic mono-olefin, said polymer having a number average molecular weight of (500 to 100,000) and

(B) at least one nitrogen-containing ester of a carboxy-containing interpolymers, said interpolymers having a reduced specific viscosity of from (0.05 to 2);

said nitrogen-containing ester being characterized by the presence within its polymer structure of the following polar groups which are derived from the carboxy groups of said interpolymers :

(a) at least one carboxylic ester group having at least (8) aliphatic carbon atoms in the ester group;

(b) at least one carboxylpolymino group derived from a polyamine compound having one primary or secondary amino group.

Compl. specn. 60 pages

Drg. 4 sheets

Ind. CLASS : 85 A&amp;G

166312

Int. Cl.4 : F23G 5/00.

#### AN IMPROVED SOLID WASTE INCINERATOR.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : PREM NATH BHAMBI, KIRPAL SINGH KAMBO & UMESH KUMAR JAISWAL.

Application for Patent No. 664/Del/86 filed on 23th July, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 4 Claims

An improved solid waste incinerator comprising :

a waste product/fuel chamber (1) inside of which being provided with a refractory lining (23);

the chamber having at least one primary air chamber (2) provided with primary air holes (3) arranged in a vertical plane and fixed over a primary air pipe (4) in an inverted position to the waste/product/fuel chamber;

a combustion chamber (5) with refractory lining (23A) fixed over the waste product/fuel chamber and is provided on its sides with a charging hole (6) an igniting hole (7) and secondary air inlet hole (8);

the chamber also provided with a hood and a chimney and the entire incinerator being supported on a stand (11).

Compl. specn. 7 pages

Drg. 6 sheets

Ind. CLASS : 170 D

166313

Int. Cl. : C11D 1/66.

LOW PHOSPHATE OR PHOSPHATE FREE LAUNDRY DETERGENT COMPOSITION.

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventor(s) : TRAZOLLAH OUHADI, LOUIS DEHAN, LUCIE FELLEN.

Application for Patent No. 673/Del/86 filed on 24th July, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 11 Claims

A nonaqueous liquid heavy duty laundry detergent composition which comprises 10 to 60% by weight of at least one liquid nonionic surfactant detergent as herein described, 5 to 50% by weight of builder selected from a salt of an alkali metal heptonic acid, a carboxymethoxy succinate, or an alkali metal alginic acid builder salt and 0.1 to 20% by weight of at least one dispersing and nongelling agent consisting of an acid terminated nonionic surfactant antigel agent, an alkylene glycol mono ether and an alkanol phosphoric acid ester.

Compl. specn. 40 pages

Drg. 7 sheets

Ind. CLASS : 32 F

166314

Int. Cl. : C08F 210/00.

PROCESS FOR PREPARING NOVEL COPOLYMERS OF CARBON MONOXIDE, ETHENE AND ANOTHER OLEFINICALLY UNSATURATED HYDROCARBONS.

Applicant : SHELL INTERNATIONALE RESEARCH MAALTSCHAPPIJ B.V., A NETHERLANDS COMPANY, OF CAREL VAN BYLANDTAAN 30, 2596 HR THE HAGUE, THE NETHERLANDS.

Application for Patent No. 724/Del/86 filed on 11th August, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 5 Claims

Process for preparing novel copolymer of carbon monoxide ethene and another olefinically unsaturated hydrocarbons (A) having less than (20) carbon atoms, satisfying criteria (a) to (d) inclusive:

- (a) the polymers have a linear structure;
- (b) they consist of units  $-\text{CO}(\text{C}_2\text{H}_4)-$  and units  $-\text{CO}-(\text{A})-$ ;
- (c) said units  $-\text{CO}-(\text{A})-$  are distributed at random points in the polymer; and
- (d) the polymers have a melting point of between (150 and 245 °C), said process comprising copolymerising carbon monoxide, ethene and another unsaturated hydrocarbons (A) as herein described having less than (20) carbon atoms in the presence of a phosphorus-, arsenic-, antimony-, or cyanogen-containing compounds of palladium, cobalt or nickel as catalyst.

Complete specification 17 pages.

Ind. CLASS : 163A, 6A<sub>2</sub>, 8

166315

Int. Cl. : F 04 B 1/16, 9/04.

ROTATION PREVENTING MECHANISM OF WOBBLE PLATE COMPRESSOR.

Applicant : SANDEN CORPORATION, A JAPANESE COMPANY, OF 20 KOTOBUKI-CHO, ISESAKE-SHI, GUNMA 372, JAPAN.

Inventor : KAUHIKO TAKAI.

Application for Patent No. 819/Del/86 filed on 17th September, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 3 Claims

A wobble plate type compressor comprising :

a compressor housing (20) including a cylinder block (201) having a plurality of equiangularly spaced cylinders (24);

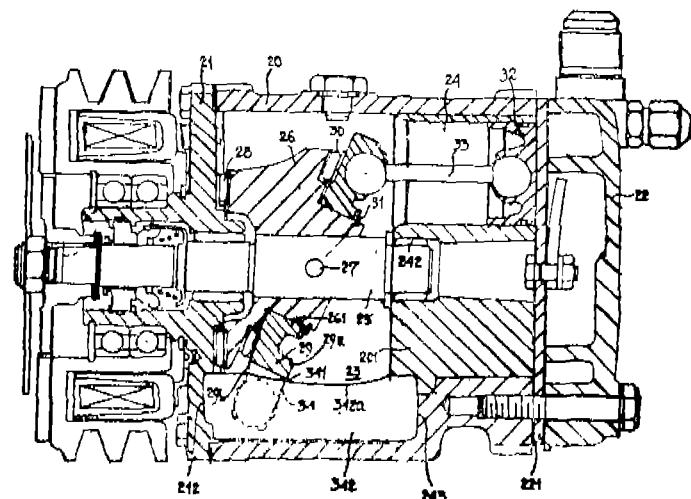
a plurality of pistons slidably fitted into respective one of said cylinders, a drive shaft (25);

a cam rotor (26) mounted on an end portion of said drive shaft having an inclined end surface;

a wobble plate (29) disposed in proximity with said inclined end surface and prevented from rotation by rotation preventing mechanism, and piston rods connecting said pistons to said wobble plate;

characterised in that the said rotation preventing mechanism, and piston rods connecting said pistons to said wobble plate;

characterised in that the said rotation preventing mechanism (34) including a flat plate (342) supported within bottom portion of said compressor housing and axially extending in parallel with the center line of said drive shaft and in slit portion (341) formed on an outer peripheral surface of said wobble plate (29), half spherical-shaped concaves (343, 344) formed on inner surfaces of said slit portion and a pair of half spherical-shaped means (345, 346) fixedly fitted into said half spherical-shaped concaves, respectively.



Compl. specn. 11 pages

Drg. 3 sheets

Ind. CLASS : 129 Q

166316

Int. Cl. : H04 N 9/00.

CATHODE-WELDING MECHANISM FOR ELECTRON GUN.

Applicant : VIDEOCOLOR, A FRENCH COMPANY OF 7, BOULEVARD ROMAIN ROLLAND 92128 MON-TROUVE, FRANCE.

Inventor(s) : DANIEL COTE.

Application for Patent No. 826/Del/86 filed on 18 September, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

Cathode-welding mechanism for electron guns having : a cathode (13) consisting of an electron-emitting rod (14) in an envelope (15);

a plurality of welding heads for carrying out welding with simultaneous application of pressure to keep the parts to be welded together, each said welding (1, 10) head being positioned laterally with respect to said envelope (15);

a welding needle (10) mounted in a support (22) of the welding head;

a first driving mechanism (25-31) in said support (22) to provide a joining pressure of the needle on the envelope and a second driving mechanism (23-23A) connected to said first driving mechanism (25-31) for exerting a subsequent welding pressure.

Compl. specn. 10 pages

Drg. 1 sheet

six focusing grids, with a second flat grid and a fourth oblong grid (7) having three aligned circular holes (8, 9, 10), wherein the fourth grid (7) has differences of characteristics between its peripheral portions facing the central hole of the grid and the rest of its periphery, with respect to its center of origin.

Compl. specn. 8 pages

Drg. 1 sheet

Ind. CLASS : 88 D

166318

Int. Cl. : G01F 13/00.

APPARATUS FOR METERING OF FUEL TO AN ENGINE.

Applicant : ORBITAL ENGINE COMPANY PROPRIETARY LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF WESTERN AUSTRALIA, OF 4 WHIPPLE STREET, BALCATTA, WESTERN AUSTRALIA, AUSTRALIA.

Inventor : MICHAEL LEONARD McKAY.

Application for Patent No. 901/Del/86 filed on 13th October, 1986.

Convention date October 11, 1985/PH2876/(Australia) &amp; November 11, 1985/PH3343/(Australia).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

12 Claims

Apparatus for metering fuel to an engine comprising : fuel supply means (12) and gas supply (31) means each adapted to deliver fuel and air to the same delivery port (20, 71);

a valve element (22,72) co-operating with said port to selectively open said port to communicate the port with the engine;

said port having two co-axial annular sealing faces (67a, 67b) spaced in the direction of flow through the port;

said valve element when closed sealably engaging said annular faces;

a cavity (91) being defined between the said two sealing faces, one of the fuel supply means and gas supply means being connected with said cavity and the other of the fuel supply means and gas supply means being connected with the port upstream of said two annular sealing faces;

a cyclical valve actuator (25) means connected to the valve element (22) to open said port (20) to permit delivery of fuel entrained in gas to the engine through said port, and pressure differential regulator (16,34) means connected with the fuel supply means and the gas supply means to regulate

10 Claims

A device for correcting the deflection effect due to the variation of the focusing voltage in a trichromatic cathode ray tube with in line cathodes, of the type having five or



The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 161542. Prestige Housewares (India) Limited, No. 78 Old Madras Road, Dooravani Nagar, Bangalore-560 016, State of Karnataka, India, an Indian Company. "Barbecues". 18th October, 1989.

Class 1. Nos. 161726 to 161730. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay-400038, Maharashtra, India, an Indian Company. "a High Rupturing Capacity fuse Link". 21st December, 1989.

Class 3. Nos. 161344 & 161345. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-4, Maharashtra, India, an Indian Partnership firm. "Bowl". 30th August, 1989.

Class 3. No. 161347. Asian Advertisers 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-4, Maharashtra, India, an Indian Partnership firm. "Calendar". 30th August, 1989.

Class 3. No. 161355. Fujee Umbrella Pvt. Ltd., a Company incorporated under the Companies Act, 1956 and having its Registered Office at No. 18, 18/1 New Santhepet, Mysore-21 Karnataka, India. "Umbrella Handles". 4th September, 1989.

Class 3. No. 161367. Dastodils Perfumes & Chemical Industries, A 7/9 Rana Pratap Bagh, Delhi-110007 (India), an Indian Partnership firm. "Brush". 5th September, 1989.

Class 3. Nos. 161389 & 161397. Abdul Aziz, an Adult Indian Nationality, carrying on business as Proprietor of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay-400 007, Maharashtra, India. "Internal Angle for Electric Fitting". 8th September, 1989.

Class 3. No. 161393. Abdul Aziz, an Adult Indian Nationality, carrying on business as Proprietor of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road

East), Bombay-400 007, Maharashtra, India. "External Angle for Electric Fitting". 8th September, 1989.

Class 3. No. 161473. Colgate-Palmolive Company, a Delaware Corporation of 300 Park Avenue, New York, New York 10022, United States of America. "Toothbrush". 26th September, 1989.

Class 3. No. 161684. MRF Limited, 826 Anna Salai, Madras-600 002, Tamil Nadu, India. "Tyre". 11th December, 1989.

Class 4. No. 161484. Kenzo, a French company organised under the laws of France, with registered office at 3 place des Victoires, 75001, Paris, France, manufacturers and merchants. "Container". 4th October, 1989.

Class 4. No. 161543. Piaggio Veicoli Europei S.r.l., a company organised under law of the Italian Republic of Viale Rinaldo Piaggio, 23-pontedera, Pisa, Italy. "Rearview Mirror for Vehicles". 19th October, 1989.

Class 4. Nos. 161731 to 161735. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay-400038, Maharashtra, India, an Indian Company. "a High Rupturing Capacity Fuse Link". 21st December, 1989.

Class 5. No. 161443. Unisystems Pvt. Ltd., 25th Community Centre, East of Kailash, New Delhi-110 065 India, an Indian Company. A "Foldable Sun Shade". 18th September, 1989.

*Copyright Extended for the Second Period of five years.*  
Nos. 160782, 160783. .... Class 4.  
Nos. 155952, 155953, 155954, 155955. .... Class 12.

*Copyright Extended for the Third Period of five years.*  
Nos. 160782, 160783. .... Class 4.

R. A. ACHARYA,  
Controller General of Patents, Design  
and Trade Marks

